

Access DB# 64451

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: PATEL SUDHAKER Examiner #: 77018 Date: 4/22/02
 Art Unit: 1624 Phone Number 30 84769 Serial Number: 10026608
 Mail Box and Bldg/Room Location: CM1 4E18 Results Format Preferred (circle) PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need. MEJ

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

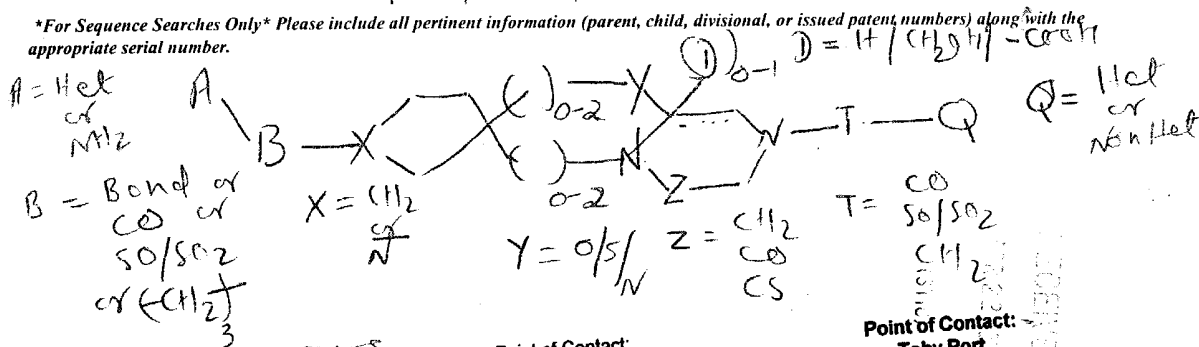
TRICYCLIC COMPOUND SPIRO UNION

Title of Invention:

Inventors (please provide full names): HIDEMITSU NISHIDA et al.

Earliest Priority Filing Date: 6/30/1999

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.



IMPORTANT SPECIES

Point of Contact:
Barb O'Brien
Technical Information Specialist
STIC CM1 6A05 308-4291

Point of Contact:
Toby Port
Technical Info. Specialist
CM1 6A04
703-308-3534

Need info @ gels, compositions & method of use as anticoagulants or inhibitors for blood coagulation. Copy of claims enclosed. THX
1624

STAFF USE ONLY

Searcher: T. Port + B.O. Bryen

Searcher Phone #: _____

Searcher Location: _____

Date Searcher Picked Up: 4/22

Date Completed: 4/24

Searcher Prep & Review Time: 120

Clerical Prep Time: _____

Online Time: 155

Type of Search

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) 8

Bibliographic _____

Litigation _____

Fulltext _____

Patent Family _____

Other _____

Vendors and cost where applicable

STN 761

Dialog _____

Questel/Orbit _____

Dr. Link _____

Lexis/Nexis _____

Sequence Systems _____

WWW/Internet _____

Other (specify) _____

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FILE 'REGISTRY' ENTERED AT 11:34:29 ON 26 APR 2002
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STRUCTURE FILE UPDATES: 24 APR 2002 HIGHEST RN 407577-00-8
DICTIONARY FILE UPDATES: 24 APR 2002 HIGHEST RN 407577-00-8

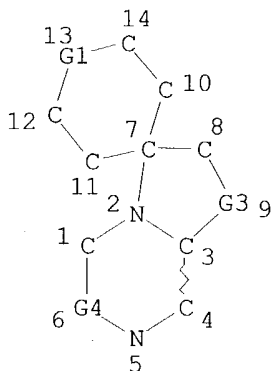
TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

L9 STR

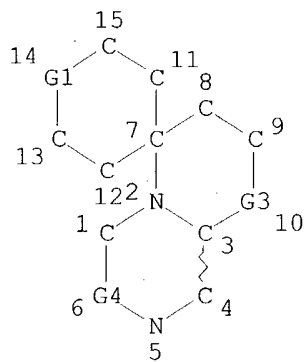


*Full file search done looking for
any of the following 8 structures (L9-L16)*

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VAR G3=O/N/S
REP G4=(0-2) C
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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

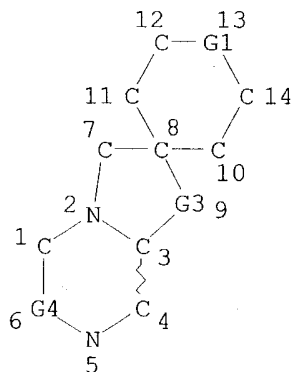
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L10 STR



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NUMBER OF NODES IS 15

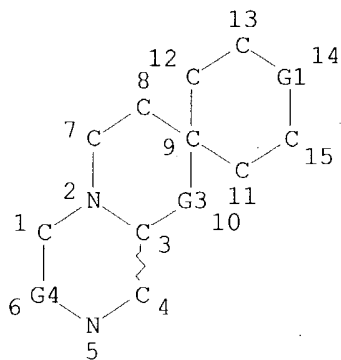
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VAR G3=O/N/S
REP G4=(0-2) C
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GRAPH ATTRIBUTES:
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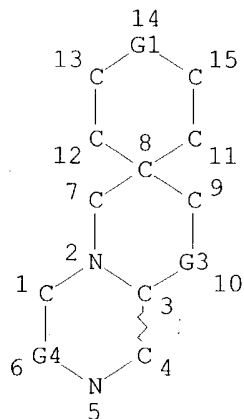
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 REP G4=(0-2) C
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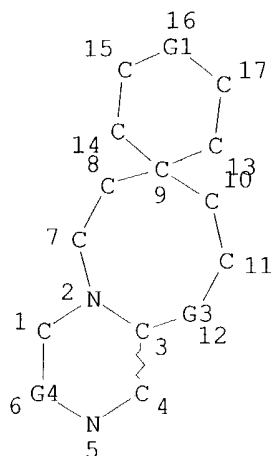
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 REP G4=(0-2) C
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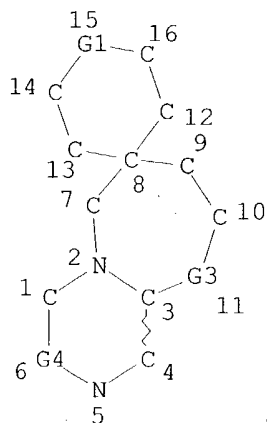
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STEREO ATTRIBUTES: NONE
 L15 STR

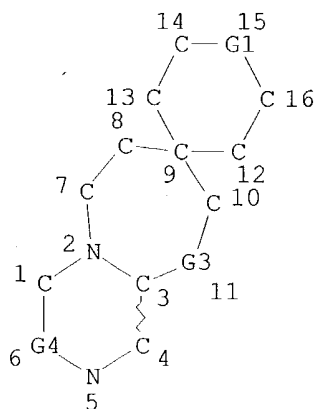


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STEREO ATTRIBUTES: NONE

L16 STR



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STEREO ATTRIBUTES: NONE

L18 147 SEA FILE=ZREGISTRY SSS FUL (L9 OR L10 OR L11 OR L12 OR L13 OR
 L14 OR L15 OR L16)

100.0% PROCESSED 18509 ITERATIONS
 SEARCH TIME: 00.00.05

147 ANSWERS

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FILE COVERS 1907 - 26 Apr 2002 VOL 136 ISS 17
 FILE LAST UPDATED: 24 Apr 2002 (20020424/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

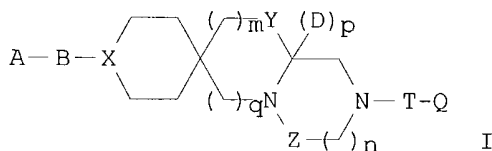
CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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 L11 STR
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 L15 STR
 L16 STR
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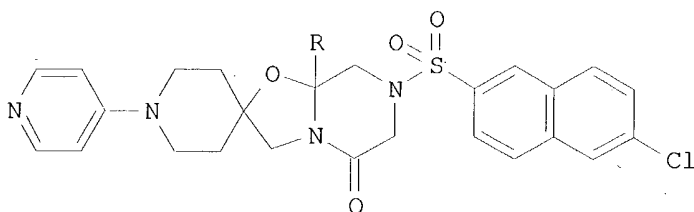
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L19 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:31501 CAPLUS
 DOCUMENT NUMBER: 134:100887
 TITLE: Preparation of tricyclic compounds having spiro-piperidine as inhibitors of blood coagulation factor X (FXa) and anticoagulants
 INVENTOR(S): Nishida, Hidemitsu; Saitoh, Fumihiko; Harada, Kousuke; Shiromizu, Ikuya
 PATENT ASSIGNEE(S): Mochida Pharmaceutical Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 305 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001002397	A1	20010111	WO 2000-JP4374	20000630
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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EP 1191028	A1	20020327	EP 2000-940912	20000630
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NO 2001006402	A	20020227	NO 2001-6402	20011228
PRIORITY APPLN. INFO.: JP 1999-222883 A 19990630				
WO 2000-JP4374 W 20000630				
OTHER SOURCE(S): MARPAT 134:100887				
GI				



I



II

AB Arom. compds. having cyclic amino which are represented by general formula (I) or salts thereof [wherein A = H, (un)substituted (un)satd. 5- to 6-membered cyclic hydrocarbyl or heterocyclyl, (un)substituted NH₂, (un)substituted imidoyl; B = single bond, CO, SO, (un)substituted Cl-2 alkylene; D = H, (un)substituted CHO, (un)substituted Cl-6 alkyl; X = N, (un)substituted methine; Y = O, S(O)_y (wherein y = 0,1,2), (un)substituted NH; Z = CH₂, CO, C(S); T = S(O)_z (wherein z = 0,1,2), CO, (un)substituted Cl-2 alkylene; Q = (un)substituted hydrocarbyl or heterocyclyl; m, n, q = 0, 1,2; p = 0,1; the three rings contg. X, Y, or Z is optionally substituted; the bond represented by a dotted and solid line in the ring contg. Z is a single bond or a double bond when p = 0] are prepd. These compds. are useful as drugs, in particular, activated blood coagulation factor X inhibitors for the prevention and treatment of diseases caused by thrombus or embolism, influenza virus infection, or periodontosis, exert a potent anticoagulation effect, and can be orally administered. A pharmacophore derived from the above compds. is also useful in mol. designing Fxa inhibitors. Thus, 4-(aminomethyl)-1-benzyl-4-hydroxypiperidine was cyclocondensed with Et 2-[N-(3-acetoxy-2-oxopropan-1-yl)-N-(6-chloronaphthalene-2-ylsulfonyl)amino]acetate under reflux in the presence of p-MeC₆H₄SO₃H.H₂O using a Dean-Stark trap to give 6-acetoxy-1,4-diaza-1'-benzyl-4-(6-chloronaphthalene-2-ylsulfonyl)-7-oxaspiro[bicyclo[4.3.0]nonan-8,4'-piperidine]-2-one which underwent sapon. with a mixt. of aq. NaOH and MeOH, methylation by di-Me sulfate, and debenzylation with 1-chloroethyl chloroformate to give 1,4-diaza-4-(6-chloronaphthalene-2-ylsulfonyl)-6-(methoxymethyl)-7-oxaspiro[bicyclo[4.3.0]nonan-8,4'-piperidine]-2-one hydrochloride. The latter compd. was condensed with 4-chloropyridine hydrochloride in the presence of diisopropylethylamine in 2-ethoxyethanol under reflux for 2 h to give 1,4-diaza-4-(6-chloronaphthalene-2-ylsulfonyl)-6-(methoxymethyl)-7-oxo-1'-(4-pyridyl)-spiro[bicyclo[4.3.0]nonan-8,4'-piperidine]-2-one (II; R = CH₂OMe). II (R = CH₂OMe) and II (R = CO₂Et) showed IC₅₀ of 0.0032 and 0.0015 .mu.M, resp., against Fxa.

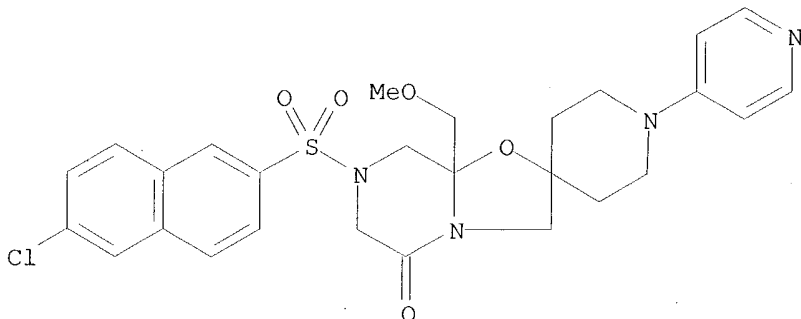
IT 318986-36-6P 318986-38-8P 318987-69-8P
318987-70-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of tricyclic compds. having spiro-piperidine as inhibitors of blood coagulation factor X (FXa) and anticoagulants or as pharmacophores in mol. designing Fxa inhibitors)

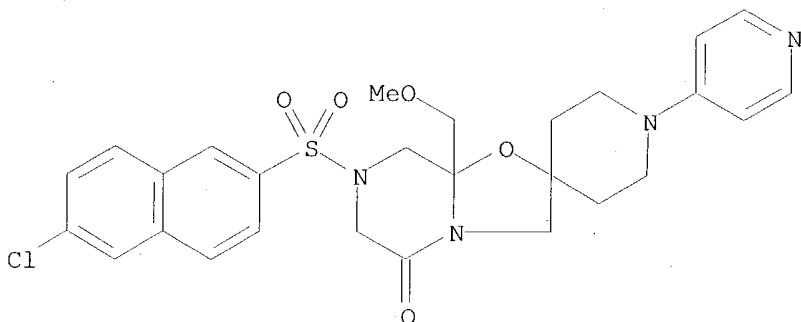
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CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-(4-
pyridinyl)-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).



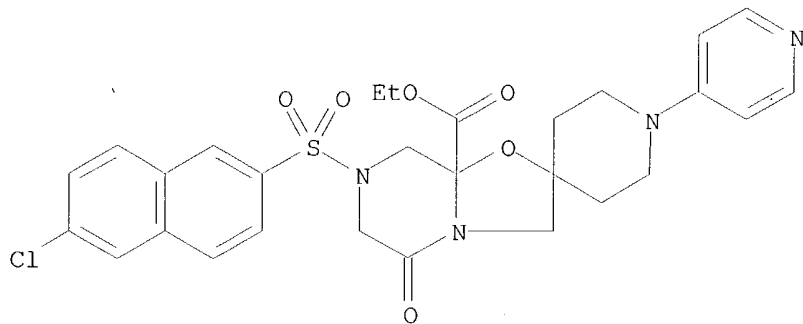
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CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-(4-
pyridinyl)-, (-)- (9CI) (CA INDEX NAME)

Rotation (-).



RN 318987-69-8 CAPLUS
CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
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ethyl ester, (+)- (9CI) (CA INDEX NAME)

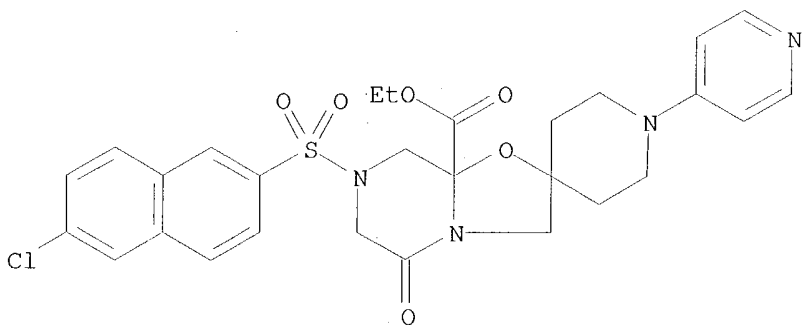
Rotation (+).



RN 318987-70-1 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
ethyl ester, (-)-(9CI) (CA INDEX NAME)

Rotation (-).



IT 318986-22-0P 318986-60-6P 318986-68-4P
318986-74-2P 318986-78-6P 318986-80-0P
318986-91-3P 318987-02-9P 318987-14-3P
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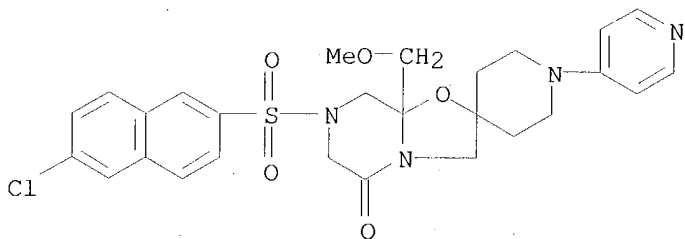
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RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of tricyclic compds. having spiro-piperidine as inhibitors of blood coagulation factor X (FXa) and anticoagulants or as pharmacophores in mol. designing Fxa inhibitors)

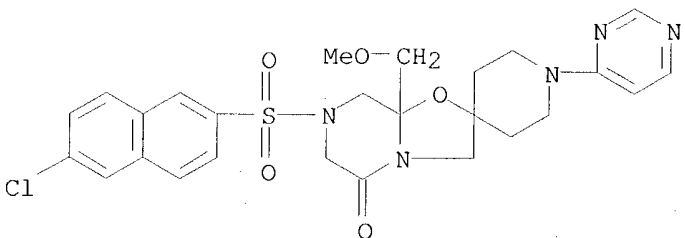
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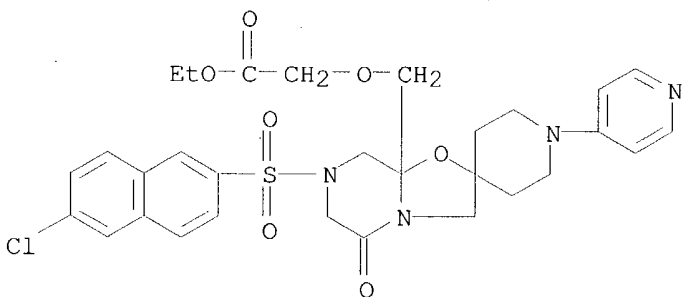
RN 318986-60-6 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
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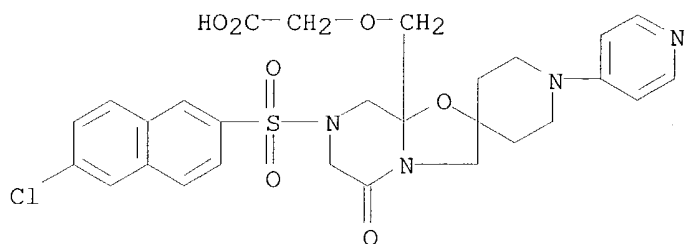
RN 318986-68-4 CAPLUS

CN Acetic acid, [[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-8a-yl]methoxy]-, ethyl ester (9CI) (CA INDEX NAME)



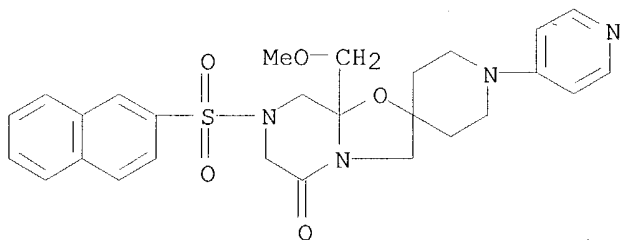
RN 318986-74-2 CAPLUS

CN Acetic acid, [[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-8a-yl]methoxy]- (9CI) (CA INDEX NAME)



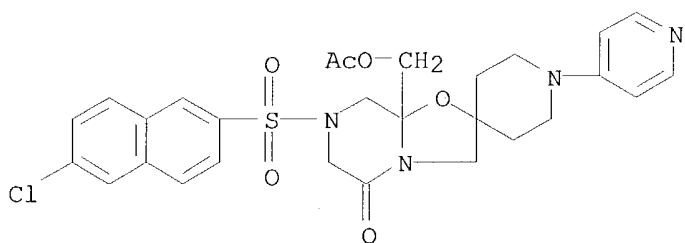
RN 318986-78-6 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one, tetrahydro-8a-(methoxymethyl)-7-(2-naphthalenylsulfonyl)-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



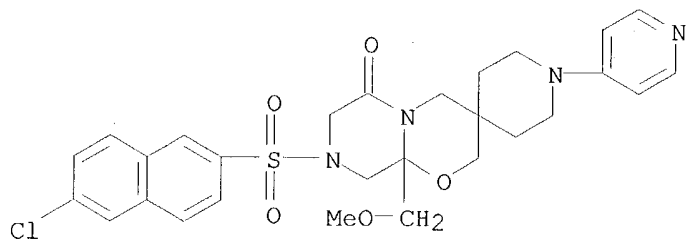
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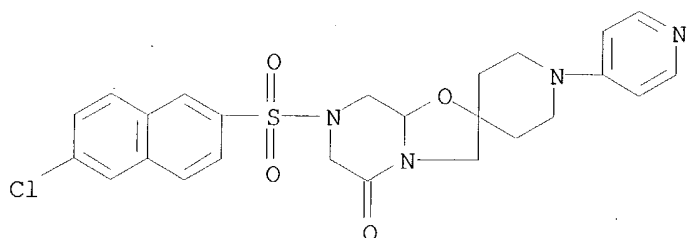


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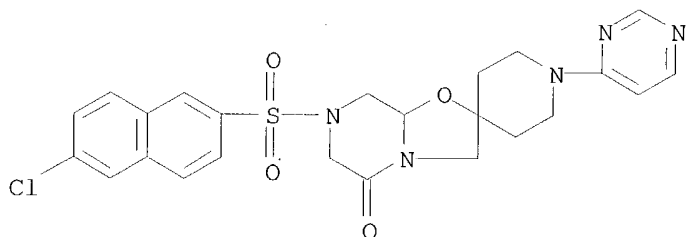
CN Spiro[piperidine-4,3'-(4'H)-[2H,6H]pyrazino[2,1-b][1,3]oxazin]-6'-one, 8'-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-9'a-(methoxymethyl)-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 318987-02-9 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
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 (CA INDEX NAME)

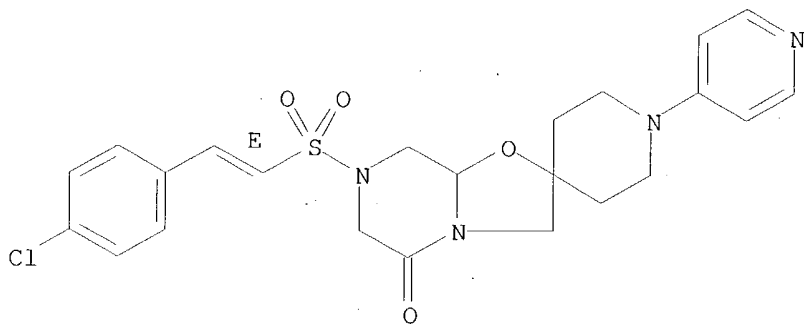


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 (CA INDEX NAME)



RN 318987-18-7 CAPLUS
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 7-[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]tetrahydro-1'-(4-pyridinyl)-
 (9CI) (CA INDEX NAME)

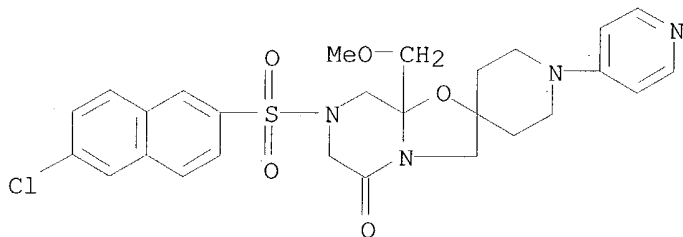
Double bond geometry as shown.



RN 318987-29-0 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-(4-
 pyridinyl)-, monomethanesulfonate (9CI) (CA INDEX NAME)

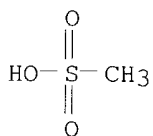
CM 1

CRN 318986-22-0
 CMF C27 H29 Cl N4 O5 S



CM 2

CRN 75-75-2
 CMF C H4 O3 S

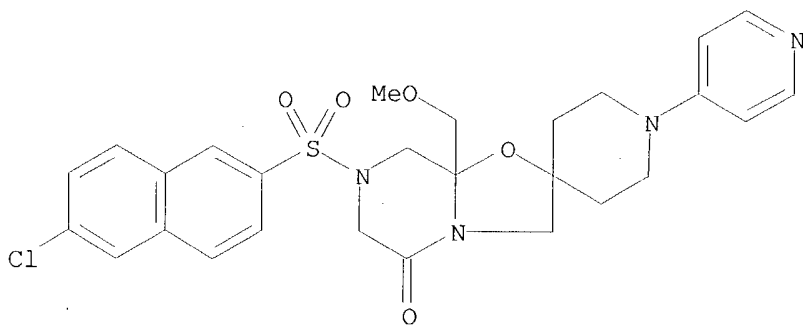


RN 318987-31-4 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-(4-
 pyridinyl)-, (-)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318986-38-8
 CMF C27 H29 Cl N4 O5 S

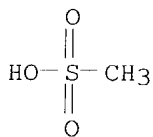
Rotation (-).



CM 2

CRN 75-75-2

CMF C H4 O3 S



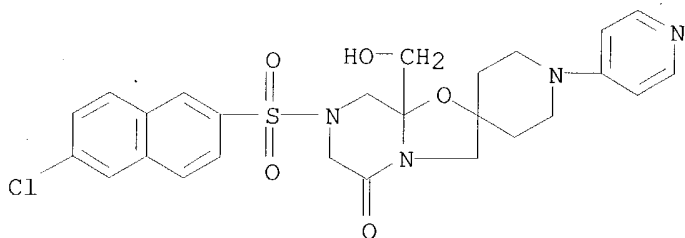
RN 318987-33-6 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)-1'-(4-
pyridinyl)-, monomethanesulfonate (salt) (9CI). (CA INDEX NAME)

CM 1

CRN 318986-64-0

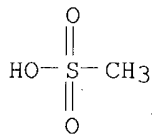
CMF C26 H27 Cl N4 O5 S



CM 2

CRN 75-75-2

CMF C H4 O3 S



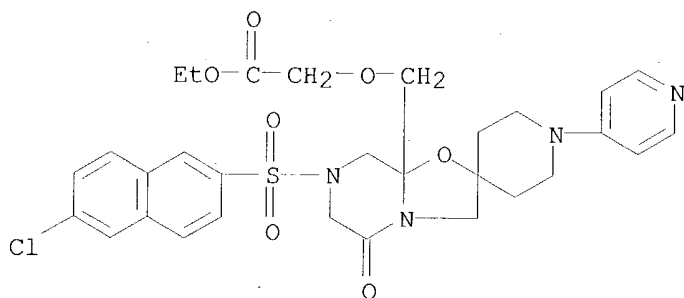
RN 318987-35-8 CAPLUS

CN Acetic acid, [[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-8a-yl]methoxy]-, ethyl ester, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318986-68-4

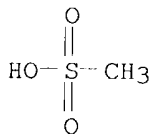
CMF C30 H33 Cl N4 O7 S



CM 2

CRN 75-75-2

CMF C H4 O3 S



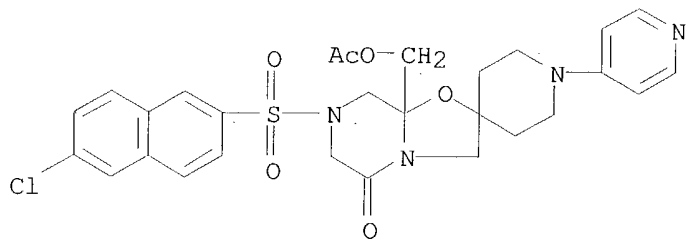
RN 318987-37-0 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one, 8a-[(acetyloxy)methyl]-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-(4-pyridinyl)-, monomethanesulfonate (9CI) (CA INDEX NAME)

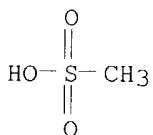
CM 1

CRN 318986-80-0

CMF C28 H29 Cl N4 O6 S

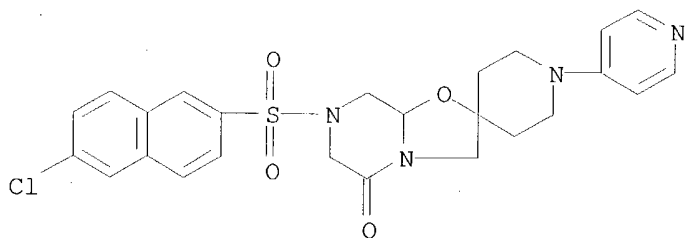


CM 2

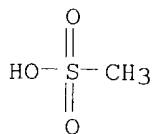
CRN 75-75-2
CMF C H4 O3 S

RN 318987-39-2 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-(4-pyridinyl)-,
 monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-02-9
CMF C25 H25 Cl N4 O4 S

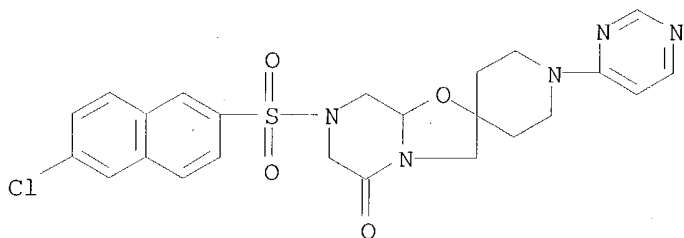
CM 2

CRN 75-75-2
CMF C H4 O3 S

RN 318987-41-6 CAPLUS
CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-(4-pyrimidinyl)-,
monomethanesulfonate (9CI) (CA INDEX NAME)

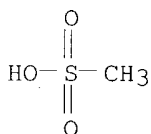
CM 1

CRN 318987-14-3
CMF C24 H24 Cl N5 O4 S



CM 2

CRN 75-75-2
CMF C H4 O3 S

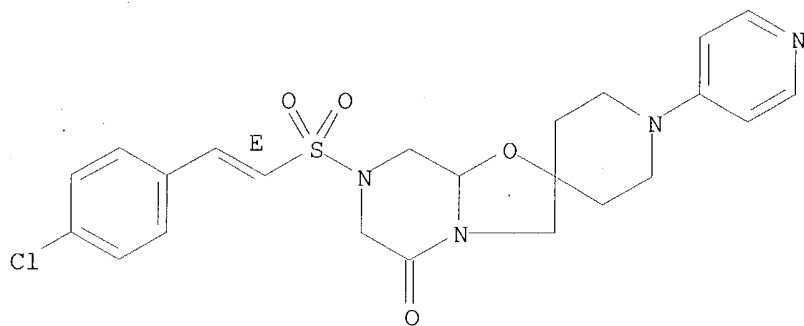


RN 318987-44-9 CAPLUS
CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]tetrahydro-1'-(4-pyridinyl)-,
monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-18-7
CMF C23 H25 Cl N4 O4 S

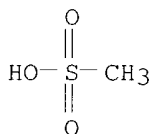
Double bond geometry as shown.



CM 2

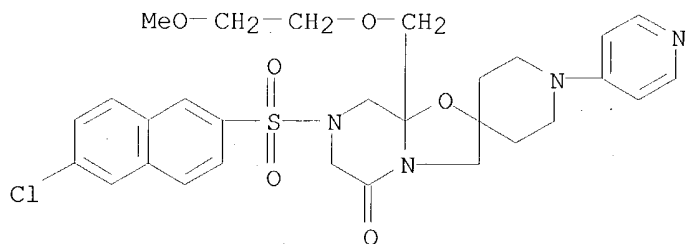
CRN 75-75-2

CMF C H4 O3 S



RN 318987-46-1 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-[(2-methoxyethoxy)methyl]-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



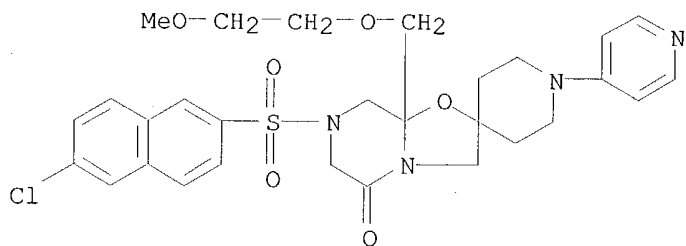
RN 318987-51-8 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-[(2-methoxyethoxy)methyl]-1'-(4-pyridinyl)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-46-1

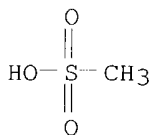
CMF C29 H33 Cl N4 O6 S



CM 2

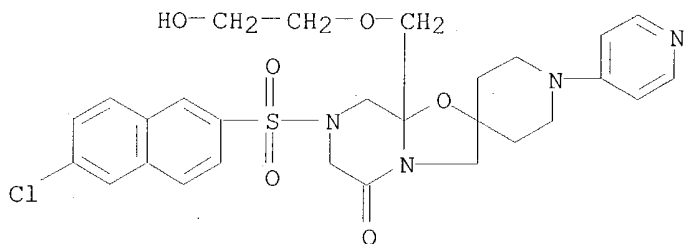
CRN 75-75-2

CMF C H4 O3 S



RN 318987-52-9 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-[(2-
hydroxyethoxy)methyl]-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



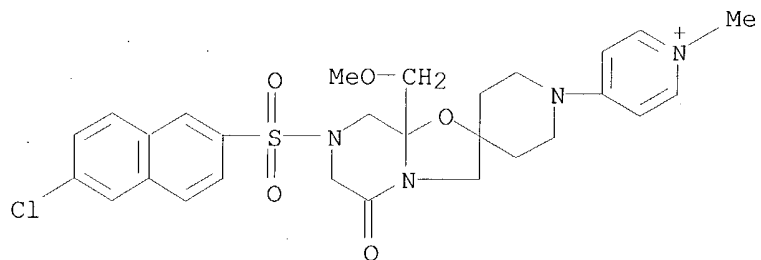
RN 318987-54-1 CAPLUS

CN Pyridinium, 4-[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-
(methoxymethyl)-5-oxospiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-
1'-yl]-1-methyl-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA
INDEX NAME)

CM 1

CRN 318987-53-0

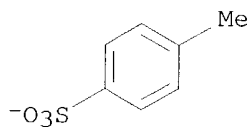
CMF C28 H32 Cl N4 O5 S



CM 2

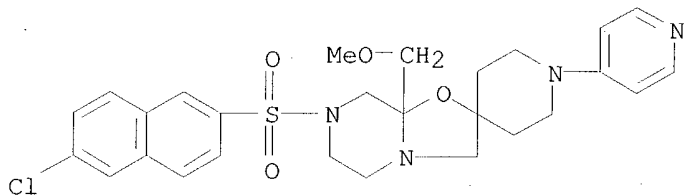
CRN 16722-51-3

CMF C7 H7 O3 S



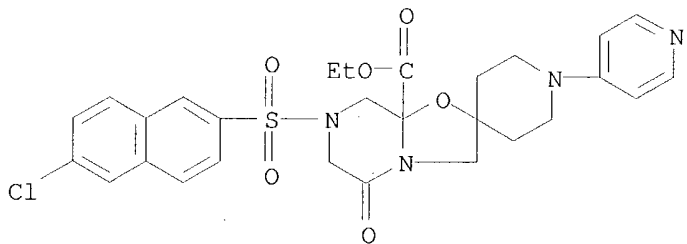
RN 318987-55-2 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine], 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-(4-pyridinyl)-(9CI) (CA INDEX NAME)



RN 318987-56-3 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid, 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 318987-60-9 CAPLUS

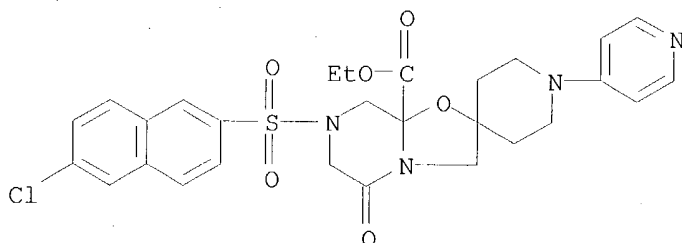
CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,

7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
ethyl ester, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-56-3

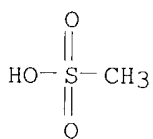
CMF C28 H29 Cl N4 O6 S



CM 2

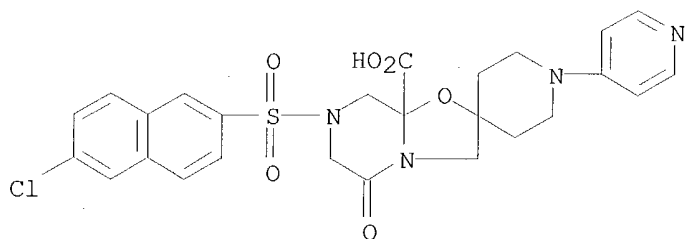
CRN 75-75-2

CMF C H4 O3 S



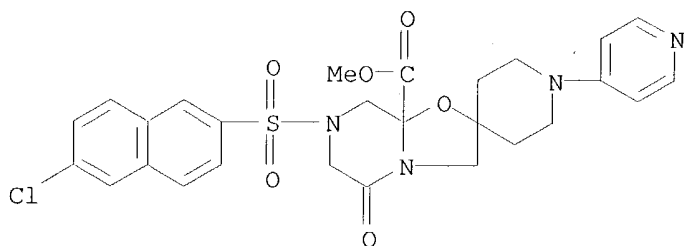
RN 318987-61-0 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-
(9CI) (CA INDEX NAME)



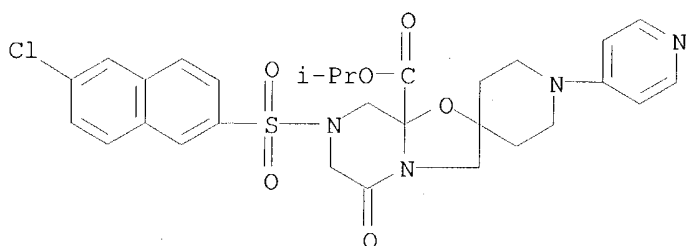
RN 318987-62-1 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
methyl ester (9CI) (CA INDEX NAME)



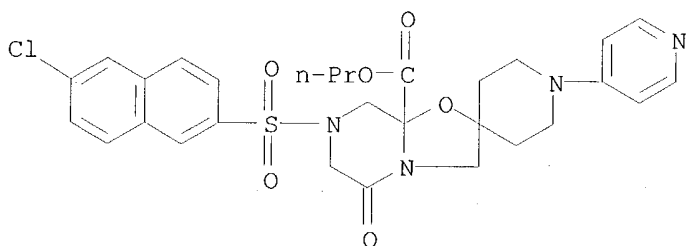
RN 318987-63-2 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid, 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-, 1-methylethyl ester (9CI) (CA INDEX NAME)



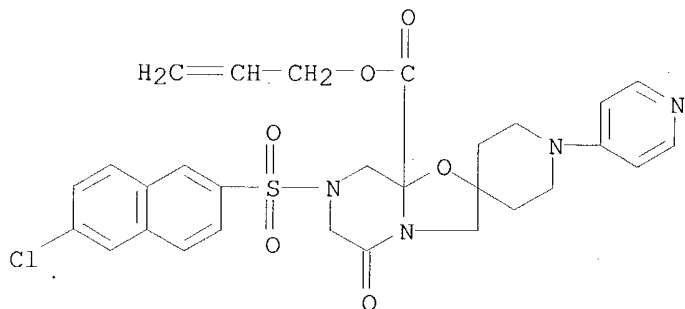
RN 318987-64-3 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid, 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-, propyl ester (9CI) (CA INDEX NAME)

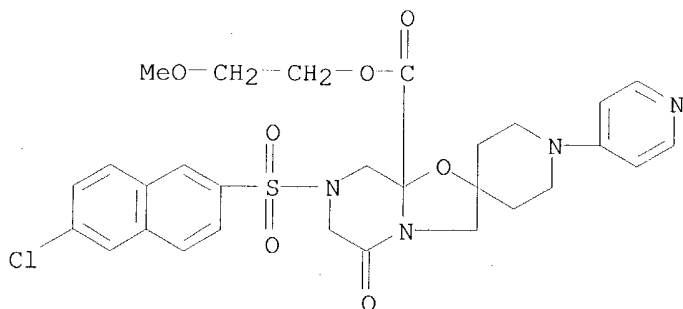


RN 318987-65-4 CAPLUS

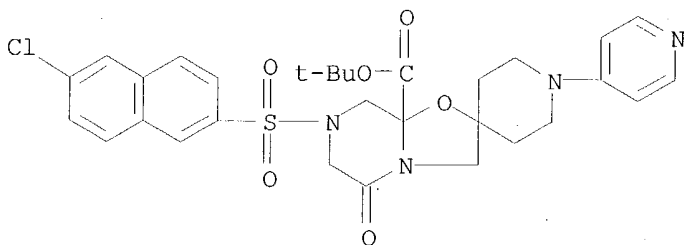
CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid, 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-, 2-propenyl ester (9CI) (CA INDEX NAME)



RN 318987-66-5 CAPLUS
 CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
 2-methoxyethyl ester (9CI) (CA INDEX NAME)



RN 318987-67-6 CAPLUS
 CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



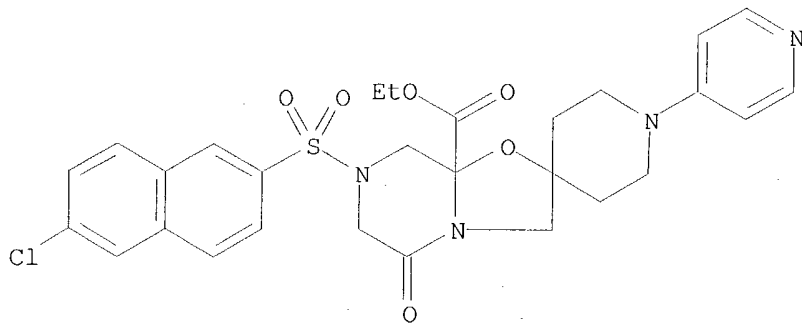
RN 318987-72-3 CAPLUS
 CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
 ethyl ester, (-)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-70-1
 CMF C28 H29 Cl N4 O6 S

Rotation (-).

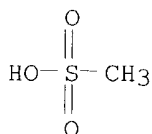
Prepared by Toby Port & Barb O'Bryen, 308-3534



CM 2

CRN 75-75-2

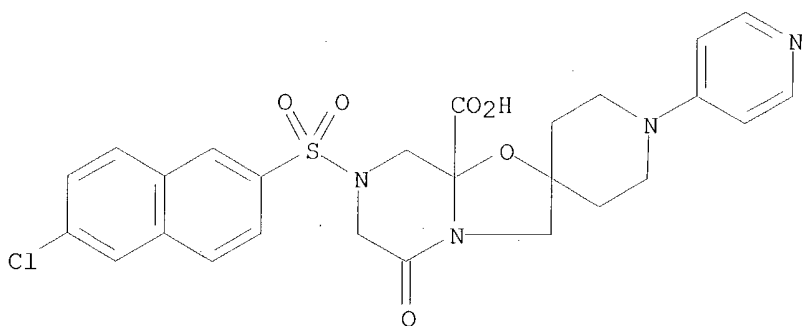
CMF C H4 O3 S



RN 318987-73-4 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
(-)- (9CI) (CA INDEX NAME)

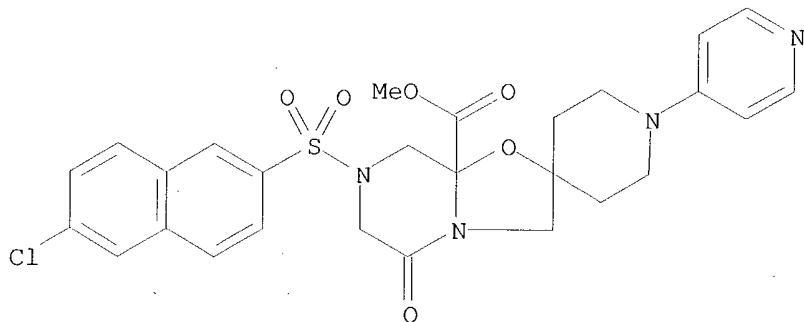
Rotation (-).



RN 318987-74-5 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
methyl ester, (-)- (9CI) (CA INDEX NAME)

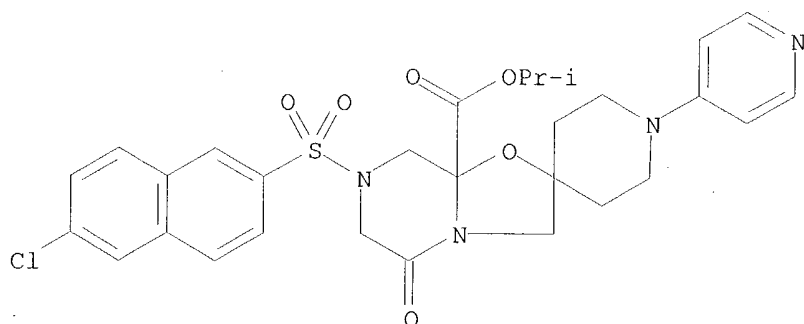
Rotation (-).



RN 318987-75-6 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
1-methylethyl ester, (-)-(9CI) (CA INDEX NAME)

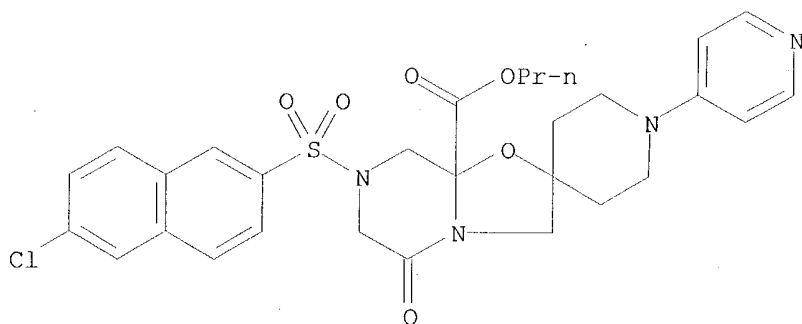
Rotation (-).



RN 318987-76-7 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
propyl ester, (-)-(9CI) (CA INDEX NAME)

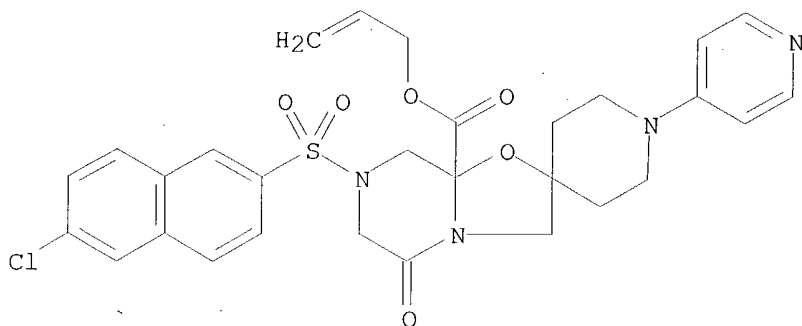
Rotation (-).



RN 318987-77-8 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
2-propenyl ester, (-)-(9CI) (CA INDEX NAME)

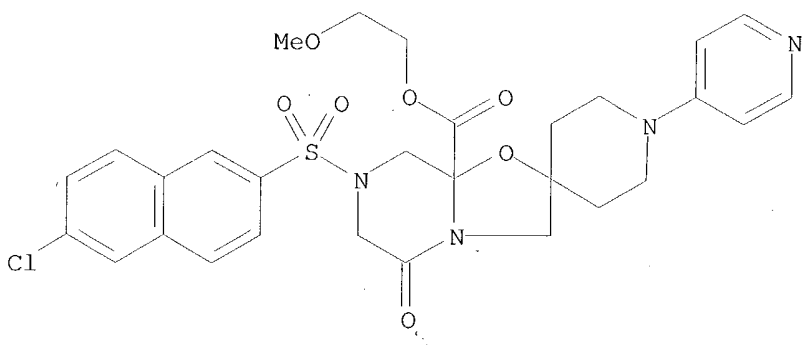
Rotation (-).



RN 318987-78-9 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
2-methoxyethyl ester, (-)-(9CI) (CA INDEX NAME)

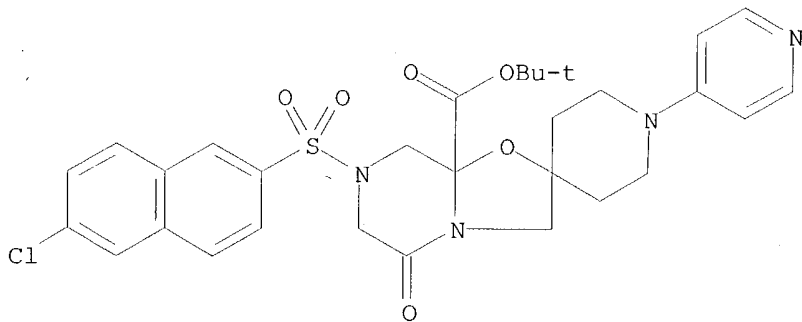
Rotation (-).



RN 318987-79-0 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
1,1-dimethylethyl ester, (-)-(9CI) (CA INDEX NAME)

Rotation (-).



RN 318987-80-3 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,

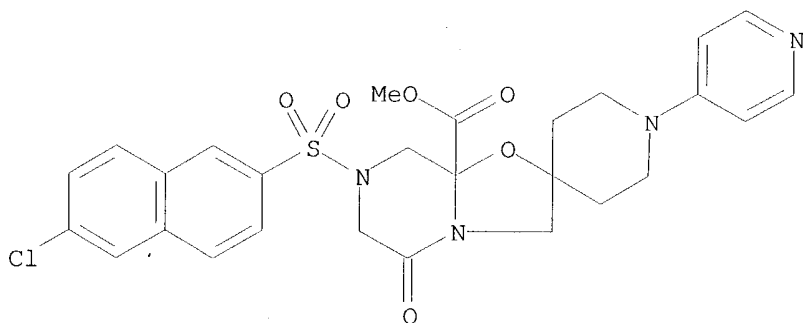
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-, methyl ester, (-)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-74-5

CMF C27 H27 Cl N4 O6 S

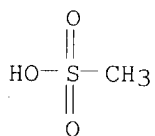
Rotation (-).



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 318987-81-4 CAPLUS

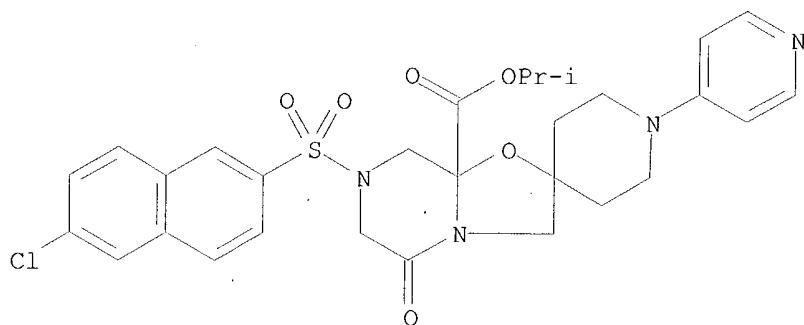
CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid, 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-, 1-methylethyl ester, (-)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-75-6

CMF C29 H31 Cl N4 O6 S

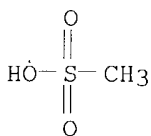
Rotation (-).



CM 2

CRN 75-75-2

CMF C H4 O3 S



RN 318987-82-5 CAPLUS

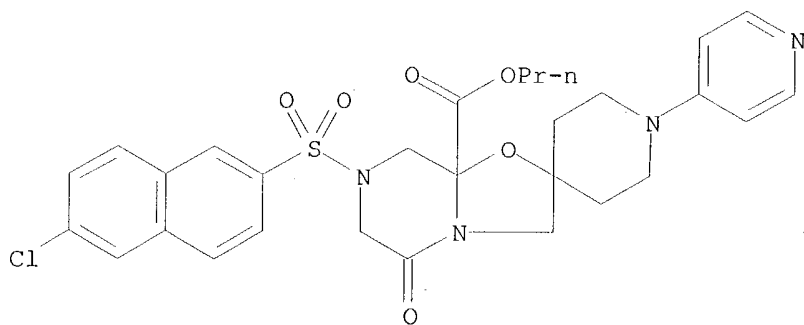
CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
propyl ester, (-)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-76-7

CMF C29 H31 Cl N4 O6 S

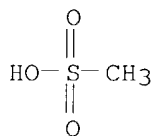
Rotation (-).



CM 2

CRN 75-75-2

CMF C H4 O3 S



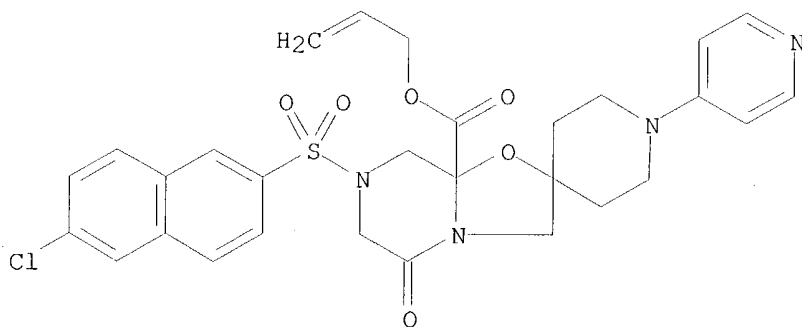
RN 318987-83-6 CAPLUS
 CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
 2-propenyl ester, (-)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-77-8

CMF C29 H29 Cl N4 O6 S

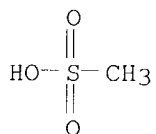
Rotation (-).



CM 2

CRN 75-75-2

CMF C H4 O3 S



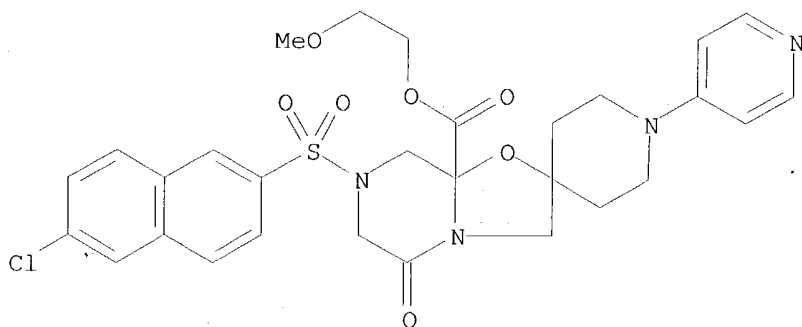
RN 318987-84-7 CAPLUS
 CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
 2-methoxyethyl ester, (-)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318987-78-9

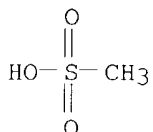
CMF C29 H31 Cl N4 O7 S

Rotation (-).



CM 2

CRN 75-75-2
CMF C H4 O3 S

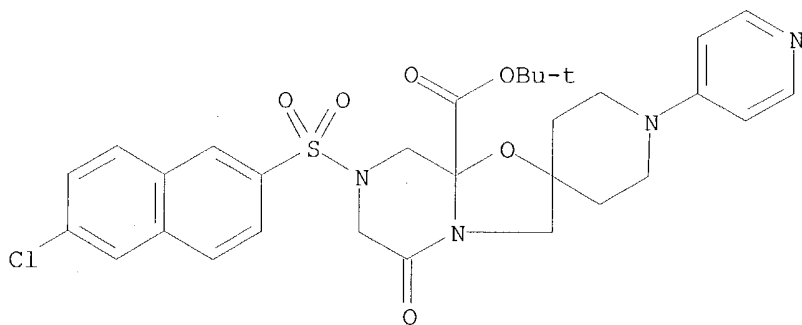


RN 318987-85-8 CAPLUS
CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
1,1-dimethylethyl ester, (-)-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

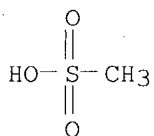
CRN 318987-79-0
CMF C30 H33 Cl N4 O6 S

Rotation (-).



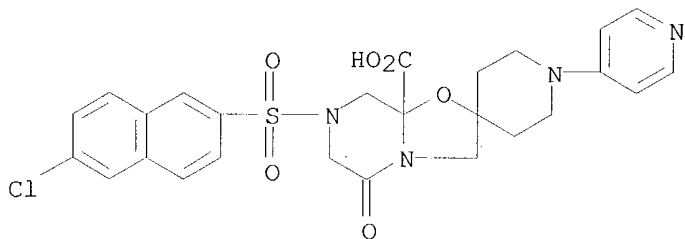
CM 2

CRN 75-75-2
CMF C H4 O3 S



RN 318987-86-9 CAPLUS

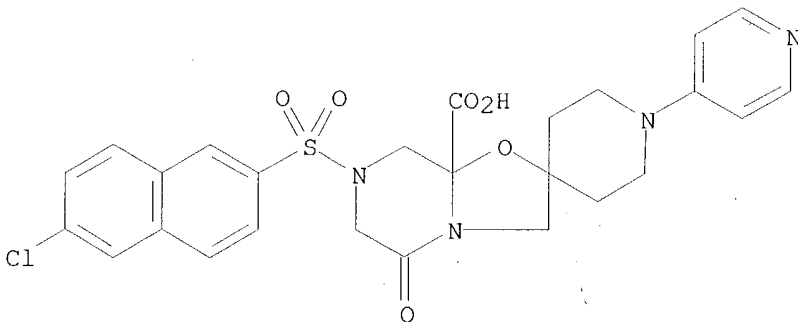
CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
ammonium salt (9CI) (CA INDEX NAME)

● NH₃

RN 318987-87-0 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
ammonium salt, (-)- (9CI) (CA INDEX NAME)

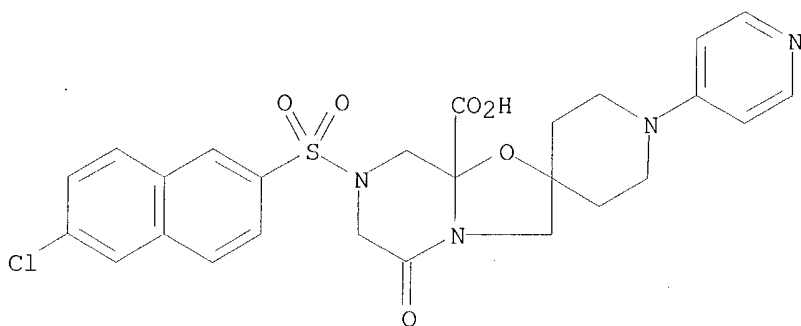
Rotation (-).

● NH₃

RN 318987-88-1 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
ammonium salt, (+)- (9CI) (CA INDEX NAME)

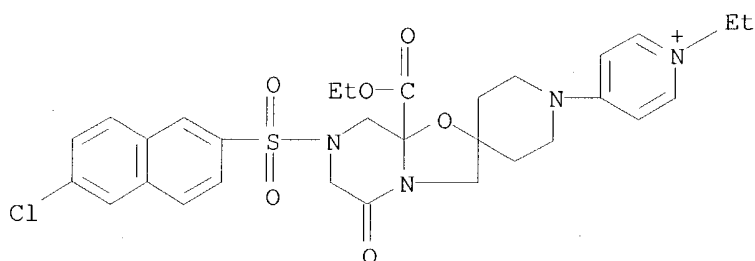
Rotation (+).

● NH₃

RN 318987-90-5 CAPLUS
 CN Pyridinium, 4-[7-[(6-chloro-2-naphthalenyl)sulfonyl]-8a-(ethoxycarbonyl)tetrahydro-5-oxospiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-1'-yl]-1-ethyl-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

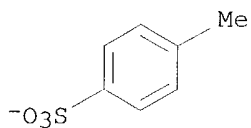
CM 1

CRN 318987-89-2
 CMF C30 H34 Cl N4 O6 S

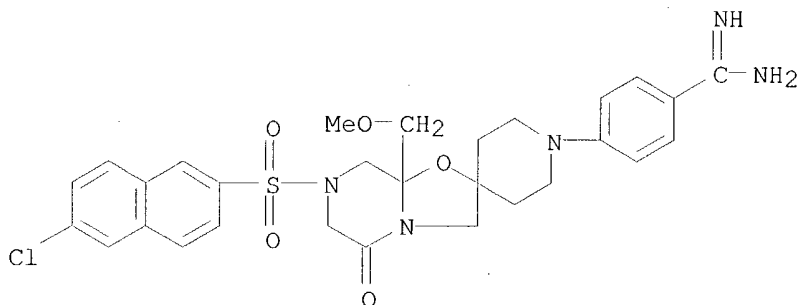


CM 2

CRN 16722-51-3
 CMF C7 H7 O3 S

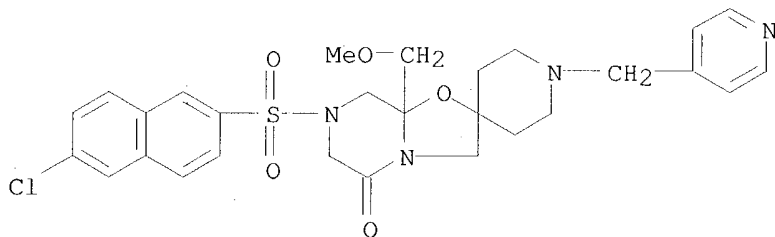


RN 318987-91-6 CAPLUS
 CN Benzenecarboximidamide, 4-[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-5-oxospiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-1'-yl]- (9CI) (CA INDEX NAME)



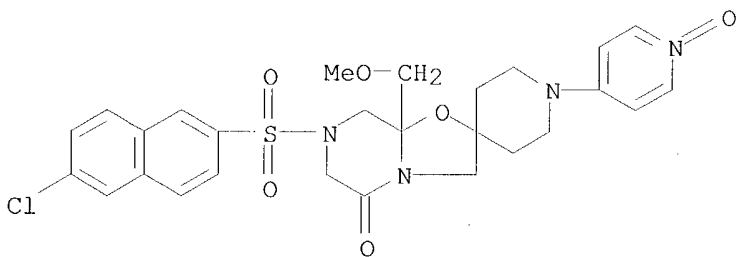
RN 318987-95-0 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-(4-
pyridinylmethyl)- (9CI) (CA INDEX NAME)



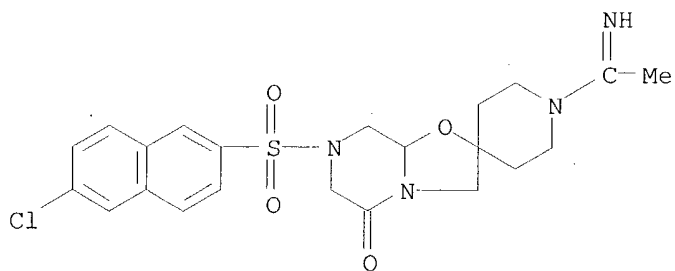
RN 318987-96-1 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-(1-
oxido-4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 318987-97-2 CAPLUS

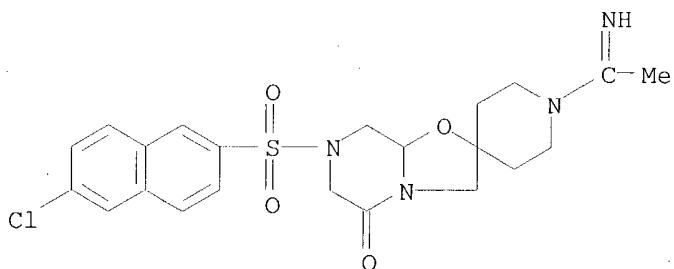
CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-(1-iminoethyl)- (9CI)
(CA INDEX NAME)



RN 318987-98-3 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-(1-iminoethyl)-,
 monomethanesulfonate (9CI) (CA INDEX NAME)

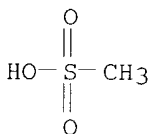
CM 1

CRN 318987-97-2
 CMF C22 H25 Cl N4 O4 S

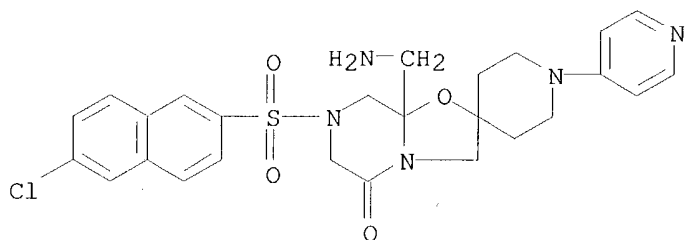


CM 2

CRN 75-75-2
 CMF C H4 O3 S

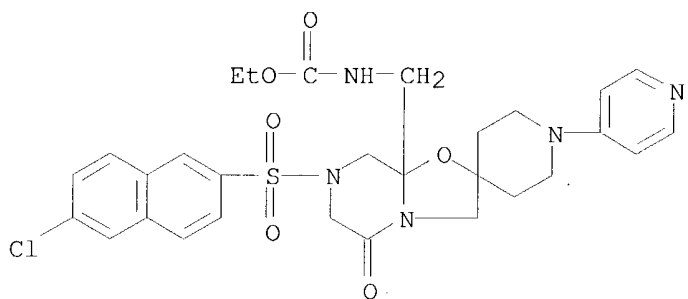


RN 318987-99-4 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 8a-(aminomethyl)-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-(4-
 pyridinyl)- (9CI) (CA INDEX NAME)



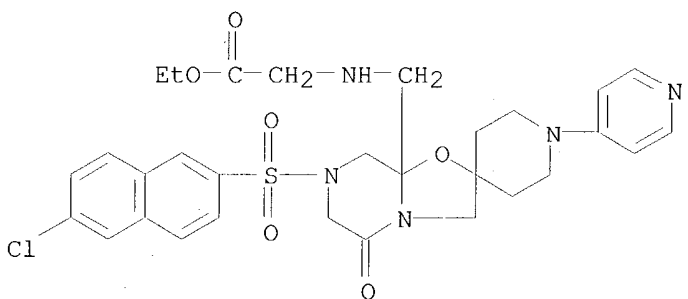
RN 318988-01-1 CAPLUS

CN Carbamic acid, [[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-8a-yl]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



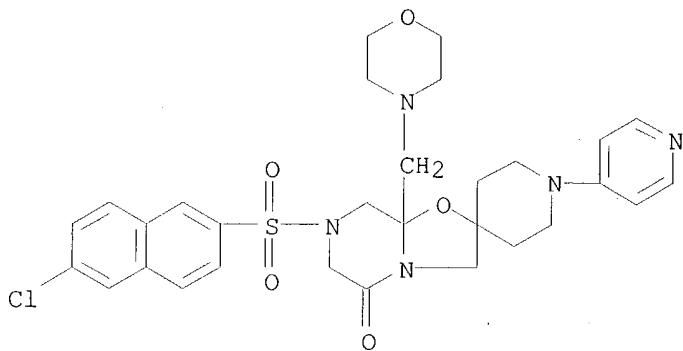
RN 318988-02-2 CAPLUS

CN Glycine, N-[[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-8a-yl]methyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 318988-04-4 CAPLUS

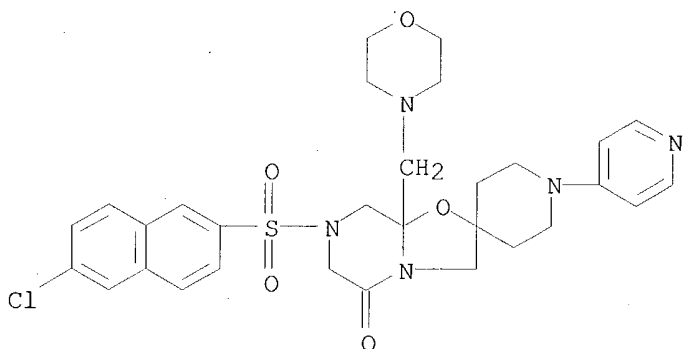
CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one, 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(4-morpholinylmethyl)-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 318988-06-6 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(4-morpholinylmethyl)-
 1'-(4-pyridinyl)-, dimethanesulfonate (9CI) (CA INDEX NAME)

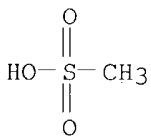
CM 1

CRN 318988-04-4
 CMF C30 H34 Cl N5 O5 S

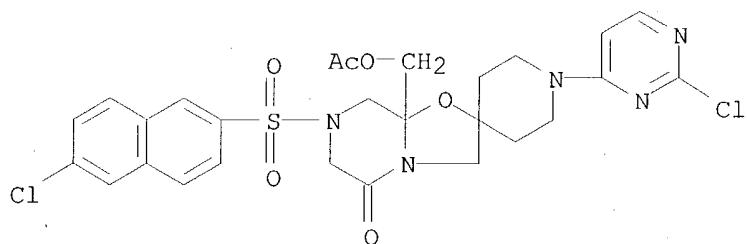


CM 2

CRN 75-75-2
 CMF C H4 O3 S

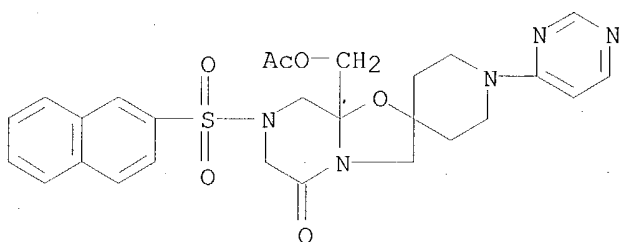


RN 318988-07-7 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 8a-[(acetyloxy)methyl]-7-[(6-chloro-2-naphthalenyl)sulfonyl]-1'-(2-chloro-
 4-pyrimidinyl)tetrahydro- (9CI) (CA INDEX NAME)



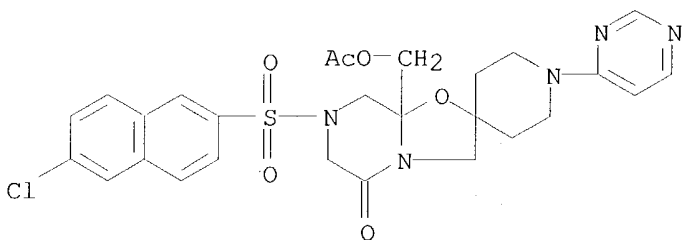
RN 318988-08-8 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
8a-[(acetyloxy)methyl]tetrahydro-7-[(2-naphthalenylsulfonyl)-1'-(4-
pyrimidinyl)- (9CI) (CA INDEX NAME)



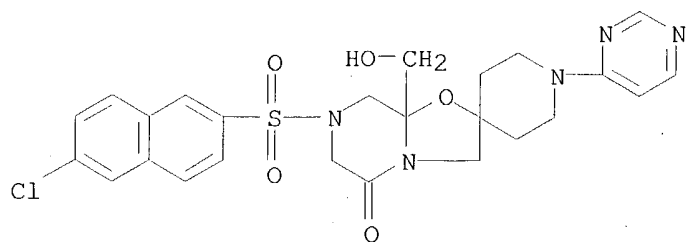
RN 318988-09-9 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
8a-[(acetyloxy)methyl]-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-(4-
pyrimidinyl)- (9CI) (CA INDEX NAME)



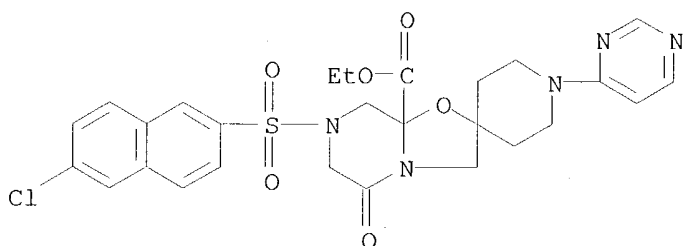
RN 318988-10-2 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)-1'-(4-
pyrimidinyl)- (9CI) (CA INDEX NAME)



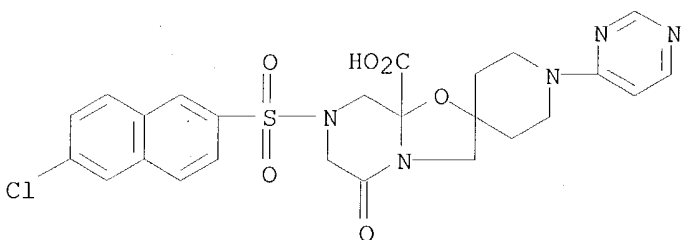
RN 318988-13-5 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyrimidinyl)-,
ethyl ester (9CI) (CA INDEX NAME)



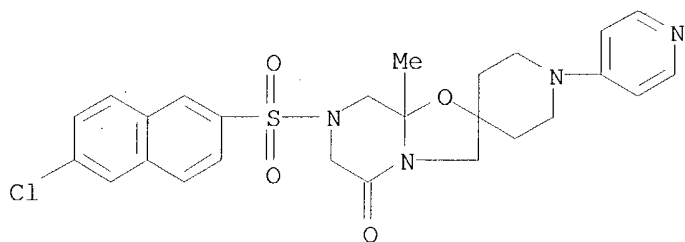
RN 318988-15-7 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyrimidinyl)-
(9CI) (CA INDEX NAME)



RN 318988-16-8 CAPLUS

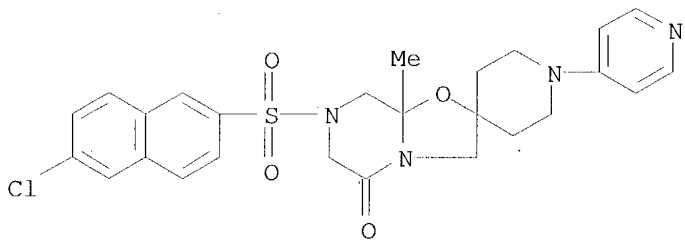
CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-methyl-1'-(4-pyridinyl)-
(9CI) (CA INDEX NAME)



RN 318988-20-4 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-methyl-1'-(4-pyridinyl)-,
 monomethanesulfonate (9CI) (CA INDEX NAME)

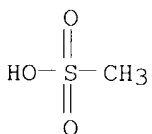
CM 1

CRN 318988-16-8
 CMF C26 H27 Cl N4 O4 S

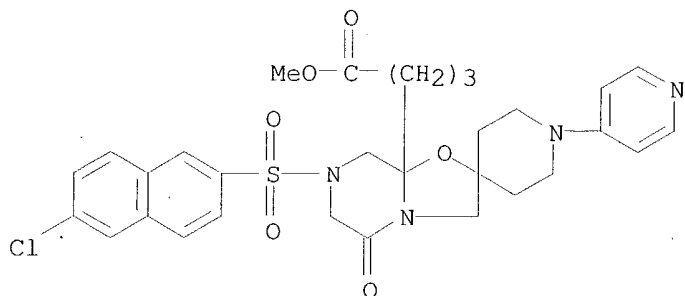


CM 2

CRN 75-75-2
 CMF C H4 O3 S

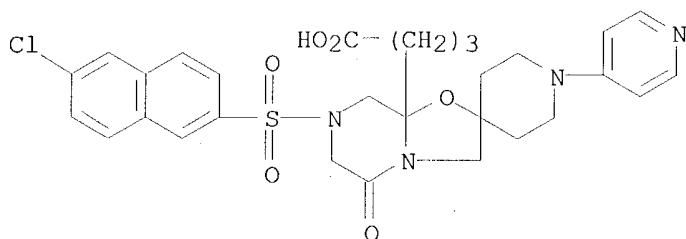


RN 318988-21-5 CAPLUS
 CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-butanoic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
 methyl ester (9CI) (CA INDEX NAME)



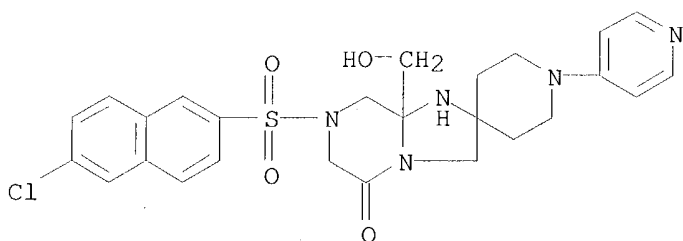
RN 318988-25-9 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-butanoic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-,
ammonium salt (9CI) (CA INDEX NAME)

● NH₃

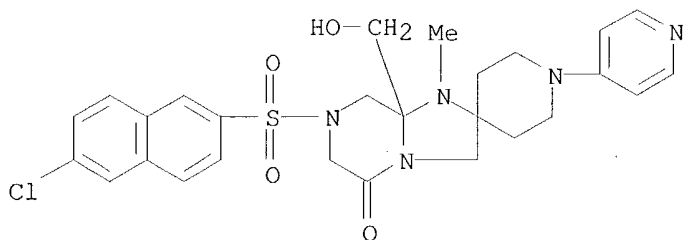
RN 318988-26-0 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)-1'-(4-
pyridinyl)- (9CI) (CA INDEX NAME)



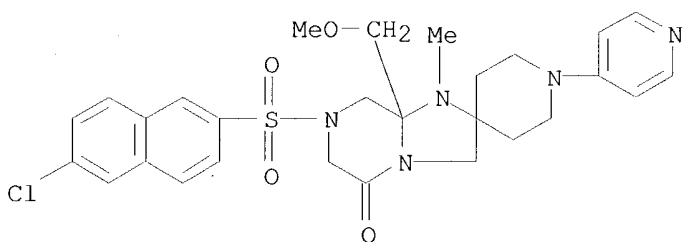
RN 318988-29-3 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)-1-
methyl-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 318988-30-6 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1-
methyl-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



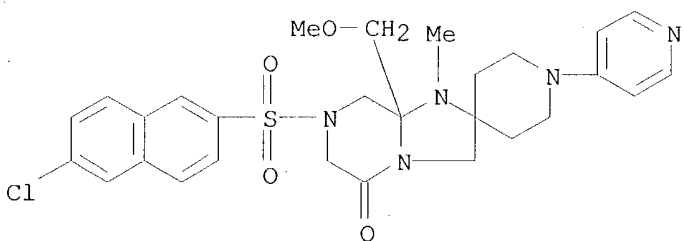
RN 318988-31-7 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1-
methyl-1'-(4-pyridinyl)-, dimethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 318988-30-6

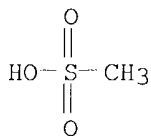
CMF C28 H32 Cl N5 O4 S



CM 2

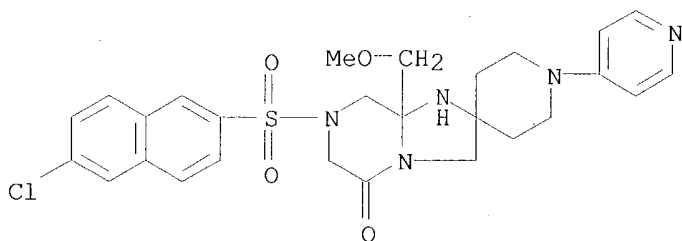
CRN 75-75-2

CMF C H4 O3 S



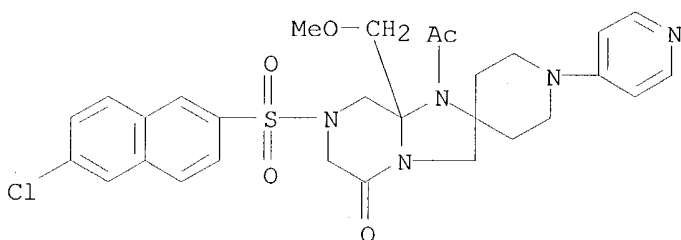
RN 318988-32-8 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-(4-
pyridinyl)- (9CI) (CA INDEX NAME)



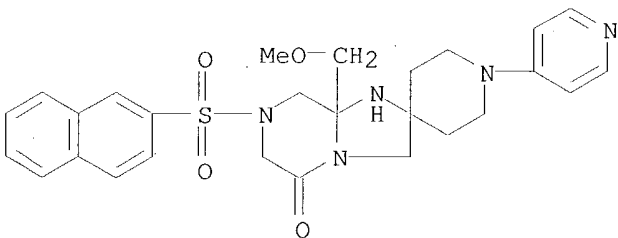
RN 318988-33-9 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
1-acetyl-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-
(methoxymethyl)-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 318988-38-4 CAPLUS

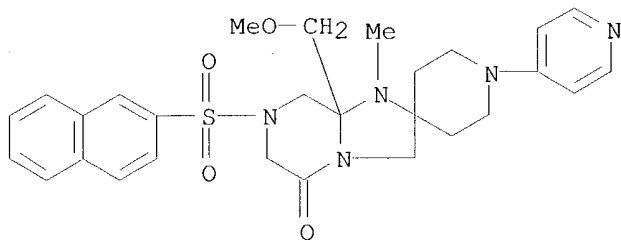
CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
tetrahydro-8a-(methoxymethyl)-7-(2-naphthalenylsulfonyl)-1'-(4-pyridinyl)-
(9CI) (CA INDEX NAME)



RN 318988-39-5 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,

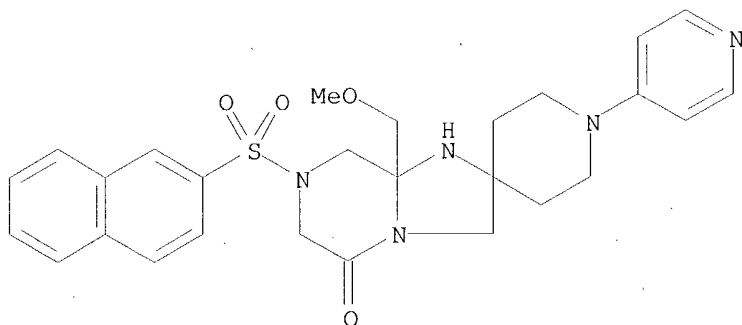
tetrahydro-8a-(methoxymethyl)-1-methyl-7-(2-naphthalenylsulfonyl)-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 318988-40-8 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
tetrahydro-8a-(methoxymethyl)-7-(2-naphthalenylsulfonyl)-1'-(4-pyridinyl)-
, (+)- (9CI) (CA INDEX NAME)

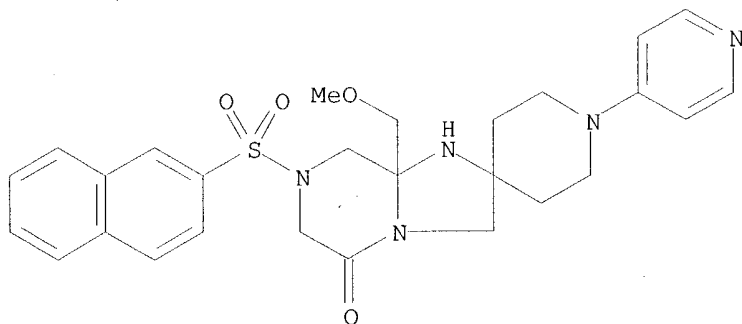
Rotation (+).



RN 318988-41-9 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
tetrahydro-8a-(methoxymethyl)-7-(2-naphthalenylsulfonyl)-1'-(4-pyridinyl)-
, (-)- (9CI) (CA INDEX NAME)

Rotation (-).



IT 318986-28-6P 318986-30-0P 318986-32-2P
318986-34-4P 318986-40-2P 318986-42-4P
318986-44-6P 318986-57-1P 318986-62-8P
318986-64-0P 318986-66-2P 318986-70-8P

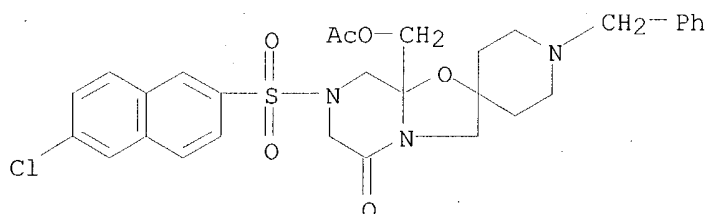
318986-72-0P 318986-76-4P 318986-89-9P
 318986-93-5P 318986-96-8P 318986-98-0P
 318987-00-7P 318987-09-6P 318987-11-0P
 318987-16-5P 318987-25-6P 318987-27-8P
 318987-47-2P 318987-48-3P 318987-49-4P
 318987-50-7P 318987-57-4P 318987-58-5P
 318987-59-6P 318987-71-2P 318987-93-8P
 318987-94-9P 318988-00-0P 318988-03-3P
 318988-05-5P 318988-11-3P 318988-12-4P
 318988-14-6P 318988-18-0P 318988-19-1P
 318988-23-7P 318988-24-8P 318988-27-1P
 318988-28-2P 318988-34-0P 318988-35-1P
 318988-36-2P 318988-37-3P 318988-45-3P
 318988-46-4P 318988-47-5P 318988-48-6P,
 1,4-Diaza-6-(hydroxymethyl)-7-oxaspiro[bicyclo[4.3.0]nonane-8,4'-
 piperidine]-2-one 318988-49-7P 318988-53-3P
 318988-54-4P 318988-55-5P 318988-56-6P
 318988-57-7P 318988-58-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(prepn. of tricyclic compds. having spiro-piperidine as inhibitors of
 blood coagulation factor X (FXa) and anticoagulants or as
 pharmacophores in mol. designing Fxa inhibitors)

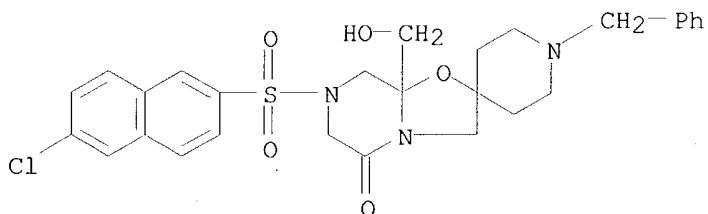
RN 318986-28-6 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 8a-[(acetyloxy)methyl]-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-
 (phenylmethyl)- (9CI) (CA INDEX NAME)



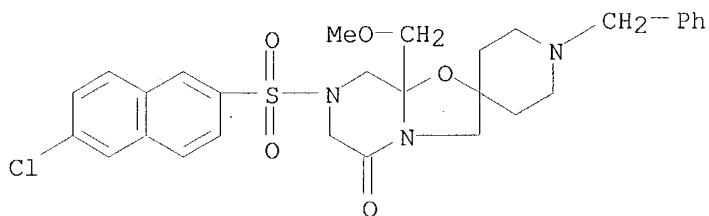
RN 318986-30-0 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)-1'-
 (phenylmethyl)- (9CI) (CA INDEX NAME)

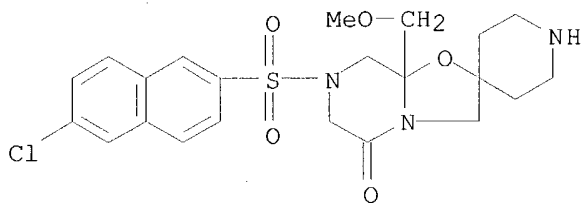


RN 318986-32-2 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-
 (phenylmethyl)- (9CI) (CA INDEX NAME)

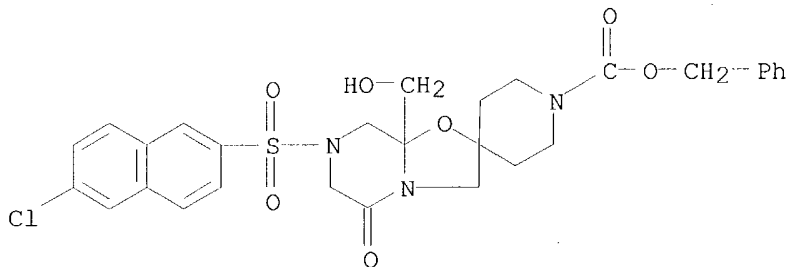


RN 318986-34-4 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-,
 monohydrochloride (9CI) (CA INDEX NAME)

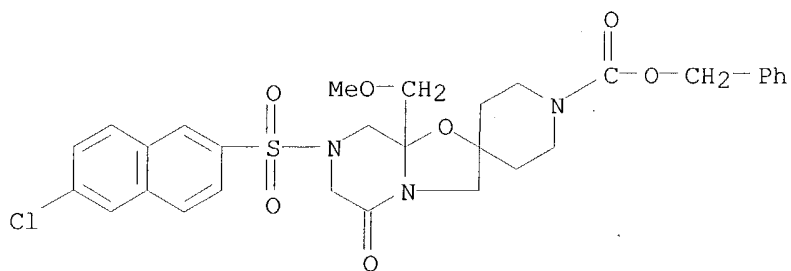


● HCl

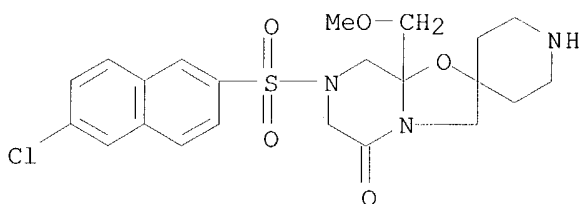
RN 318986-40-2 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-1'-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)-5-oxo-,
 phenylmethyl ester (9CI) (CA INDEX NAME)



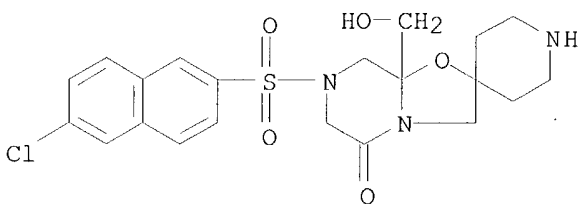
RN 318986-42-4 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-1'-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-5-oxo-,
 phenylmethyl ester (9CI) (CA INDEX NAME)



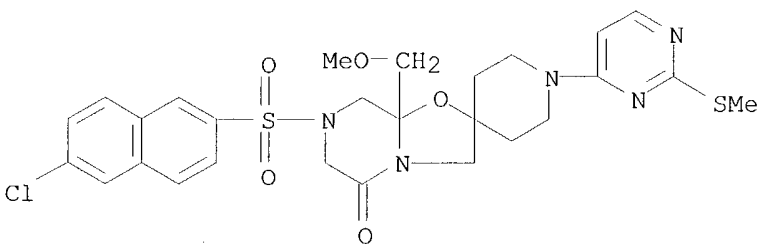
RN 318986-44-6 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)- (9CI)
 (CA INDEX NAME)



RN 318986-57-1 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)- (9CI)
 (CA INDEX NAME)

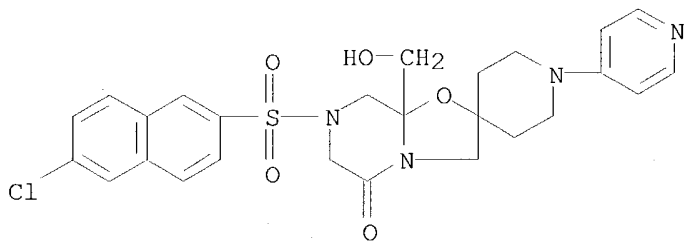


RN 318986-62-8 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-[2-(methylthio)-4-pyrimidinyl]- (9CI) (CA INDEX NAME)

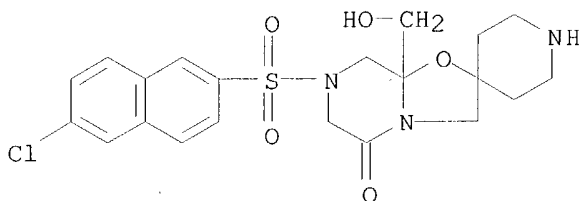


RN 318986-64-0 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)-1'-(4-
pyridinyl)- (9CI) (CA INDEX NAME)

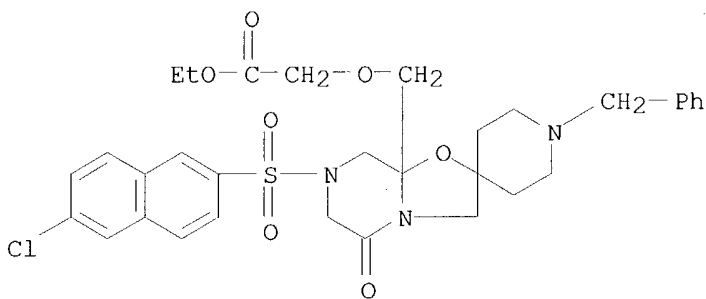


RN 318986-66-2 CAPLUS
CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)-,
monohydrochloride (9CI) (CA INDEX NAME)

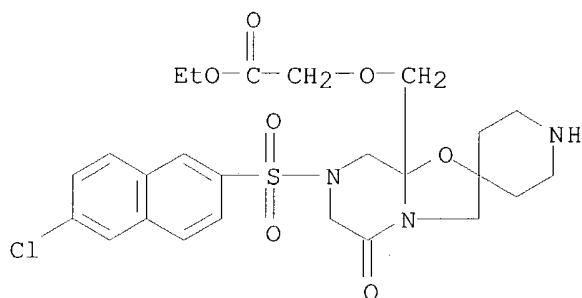


● HCl

RN 318986-70-8 CAPLUS
CN Acetic acid, [[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(
phenylmethyl)spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-8a-
yl]methoxy]-, ethyl ester (9CI) (CA INDEX NAME)

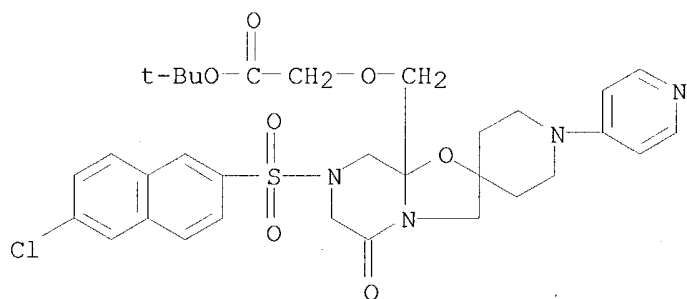


RN 318986-72-0 CAPLUS
CN Acetic acid, [[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-
oxospiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-8a-yl]methoxy]-,
ethyl ester, monohydrochloride (9CI) (CA INDEX NAME)

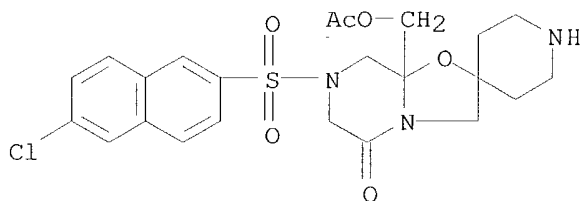


● HCl

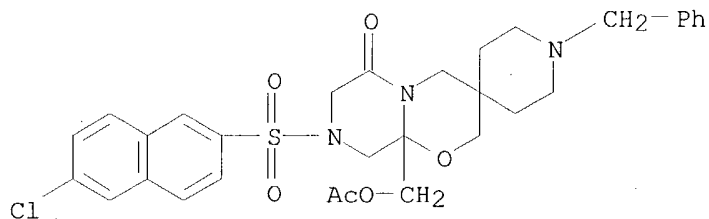
RN 318986-76-4 CAPLUS
 CN Acetic acid, [[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-8a-yl]methoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 318986-89-9 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one, 8a-[(acetyloxy)methyl]-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro- (9CI) (CA INDEX NAME)

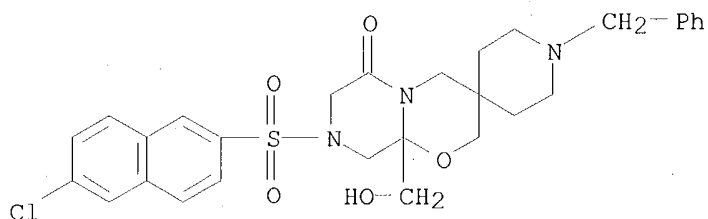


RN 318986-93-5 CAPLUS
 CN Spiro[piperidine-4,3'-(4'H)-[2H,6H]pyrazino[2,1-b][1,3]oxazin]-6'-one, 9'a-[(acetyloxy)methyl]-8'-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1-(phenylmethyl)- (9CI) (CA INDEX NAME)



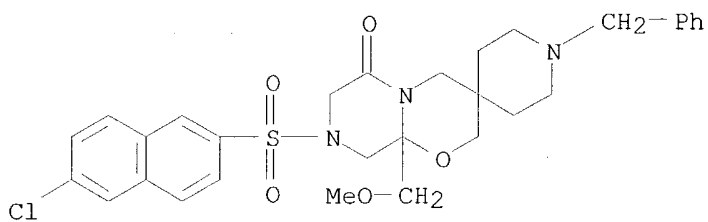
RN 318986-96-8 CAPLUS

CN Spiro[piperidine-4,3'-(4'H)-[2H,6H]pyrazino[2,1-b][1,3]oxazin]-6'-one,
8'-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-9'a-(hydroxymethyl)-1-
(phenylmethyl)- (9CI) (CA INDEX NAME)



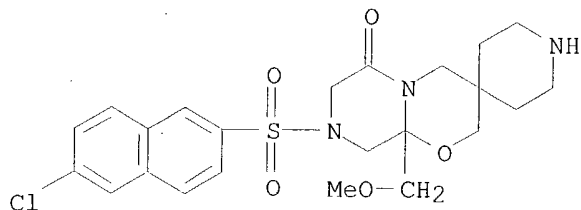
RN 318986-98-0 CAPLUS

CN Spiro[piperidine-4,3'-(4'H)-[2H,6H]pyrazino[2,1-b][1,3]oxazin]-6'-one,
8'-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-9'a-(methoxymethyl)-1-
(phenylmethyl)- (9CI) (CA INDEX NAME)



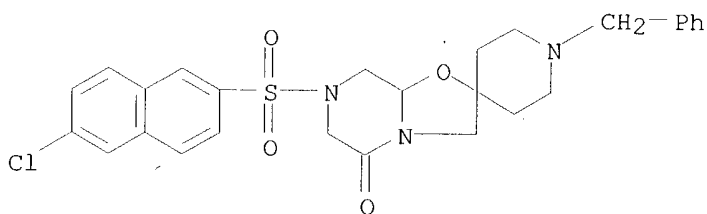
RN 318987-00-7 CAPLUS

CN Spiro[piperidine-4,3'-(4'H)-[2H,6H]pyrazino[2,1-b][1,3]oxazin]-6'-one,
8'-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-9'a-(methoxymethyl)-,
monohydrochloride (9CI) (CA INDEX NAME)

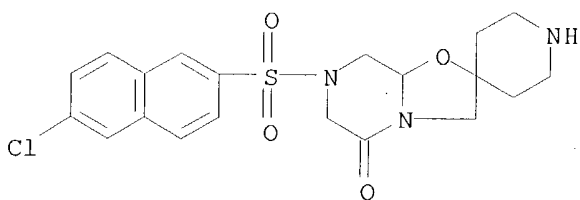


● HCl

RN 318987-09-6 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-(phenylmethyl)- (9CI)
 (CA INDEX NAME)

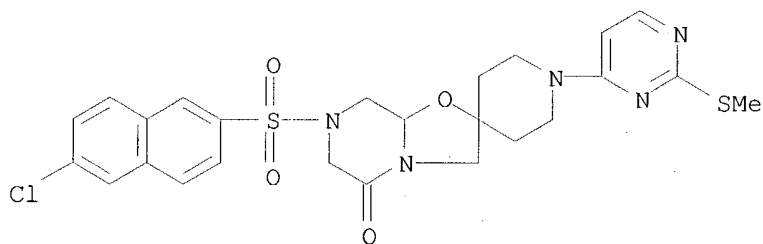


RN 318987-11-0 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-, monohydrochloride (9CI)
 (CA INDEX NAME)



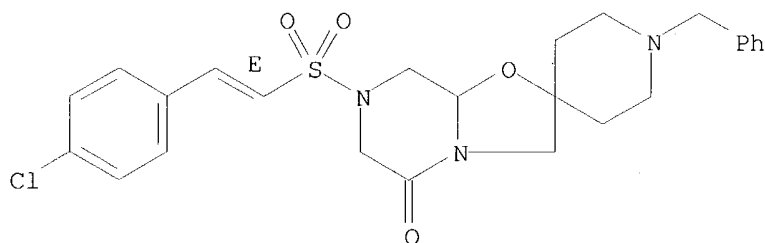
● HCl

RN 318987-16-5 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-[2-(methylthio)-4-
 pyrimidinyl]- (9CI) (CA INDEX NAME)



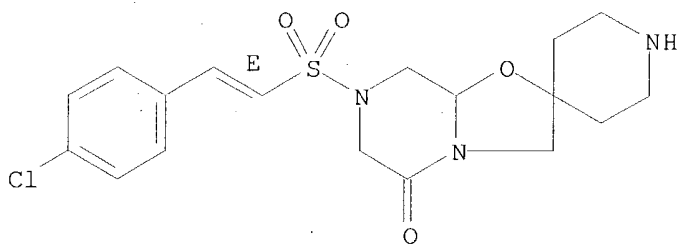
RN 318987-25-6 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]tetrahydro-1'-(phenylmethyl)-
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.



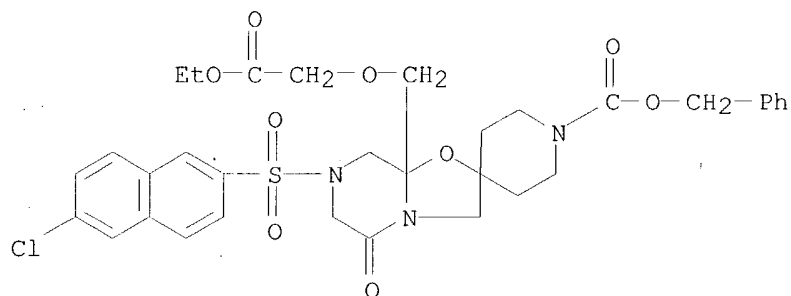
RN 318987-27-8 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[[(1E)-2-(4-chlorophenyl)ethenyl]sulfonyl]tetrahydro-, monohydrochloride
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.

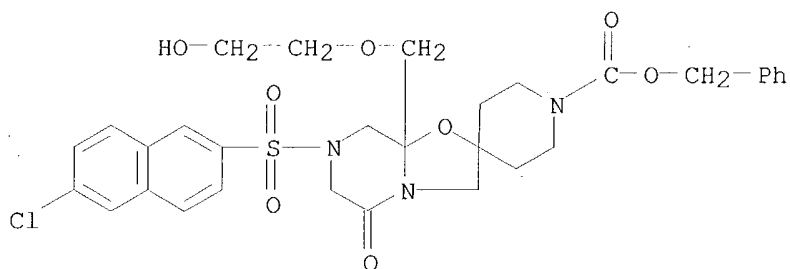


● HCl

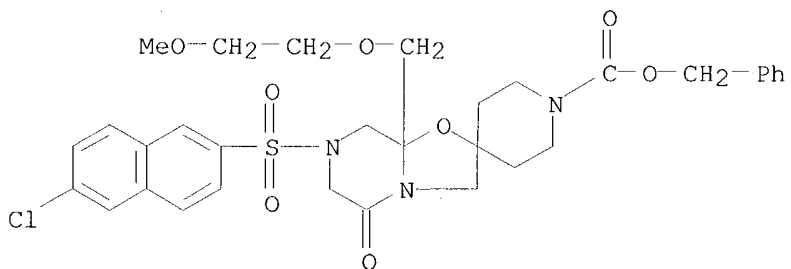
RN 318987-47-2 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-1'-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]-8a-[(2-ethoxy-2-oxoethoxy)methyl]tetrahydro-5-oxo-, phenylmethyl ester (9CI) (CA INDEX
 NAME)



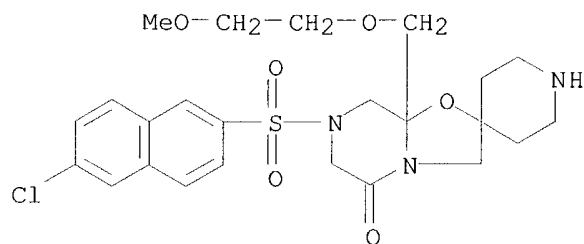
RN 318987-48-3 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-1'-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-[(2-
 hydroxyethoxy)methyl]-5-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 318987-49-4 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-1'-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-[(2-
 methoxyethoxy)methyl]-5-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)

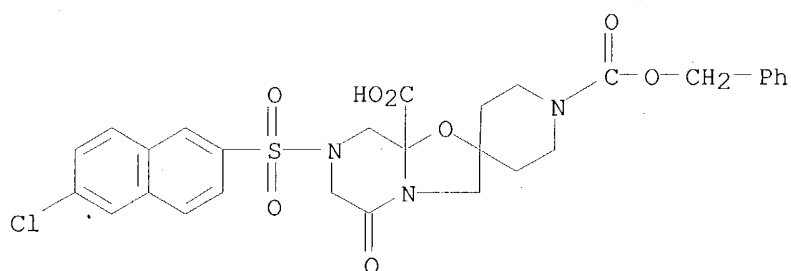


RN 318987-50-7 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-[(2-
 methoxyethoxy)methyl]- (9CI) (CA INDEX NAME)



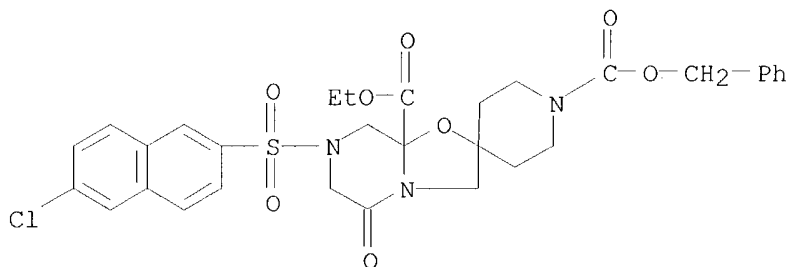
RN 318987-57-4 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-1',8a-dicarboxylic acid, 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-, 1'-(phenylmethyl) ester (9CI) (CA INDEX NAME)



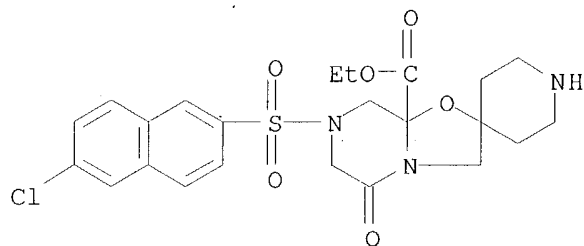
RN 318987-58-5 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-1',8a-dicarboxylic acid, 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-, 8a-ethyl 1'-(phenylmethyl) ester (9CI) (CA INDEX NAME)



RN 318987-59-6 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid, 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 318987-71-2 CAPLUS

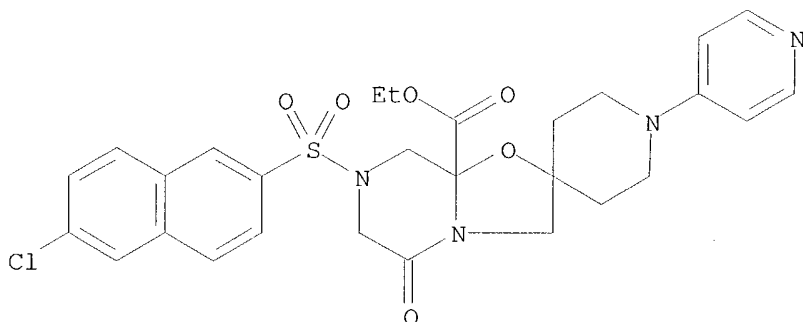
CN Butanedioic acid, 2,3-bis(benzoyloxy)-, (2R,3R)-, compd. with (-)-ethyl 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 318987-70-1

CMF C28 H29 Cl N4 O6 S

Rotation (-).



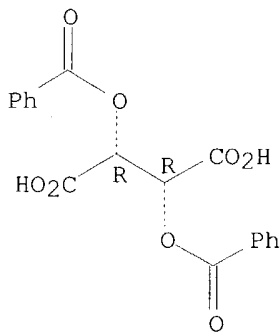
CM 2

CRN 2743-38-6

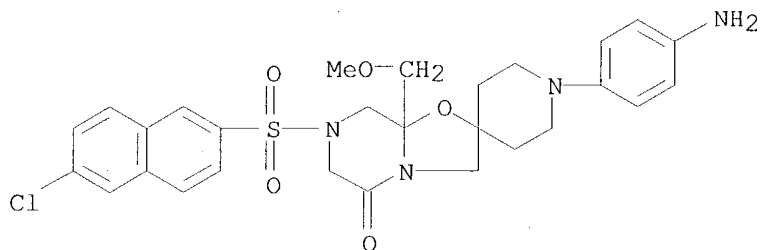
CMF C18 H14 O8

CDES 1:R2:R*,R*

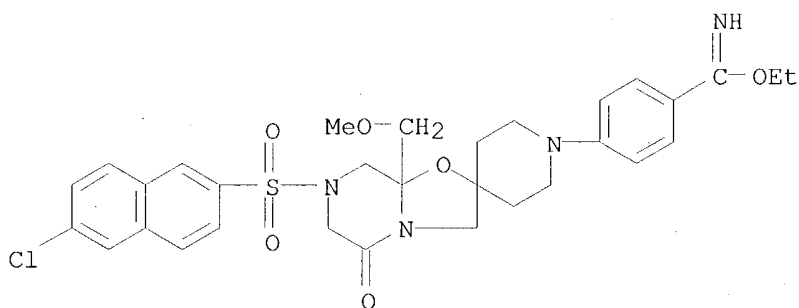
Absolute stereochemistry.



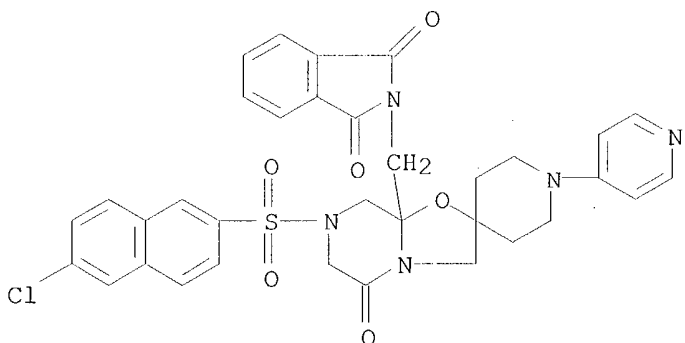
RN 318987-93-8 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 1'-(4-aminophenyl)-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-
 (methoxymethyl)- (9CI) (CA INDEX NAME)



RN 318987-94-9 CAPLUS
 CN Benzenecarboximide acid, 4-[7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-5-oxospiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-1'-yl]-, ethyl ester (9CI) (CA INDEX NAME)

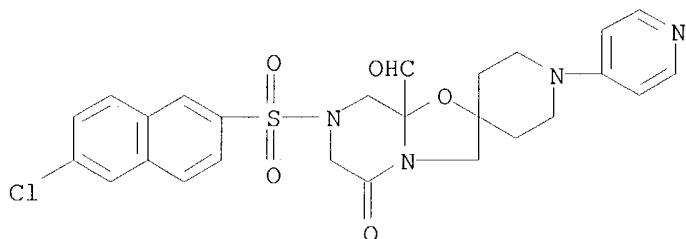


RN 318988-00-0 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]-8a-[(1,3-dihydro-1,3-dioxo-2H-
 isoindol-2-yl)methyl]tetrahydro-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



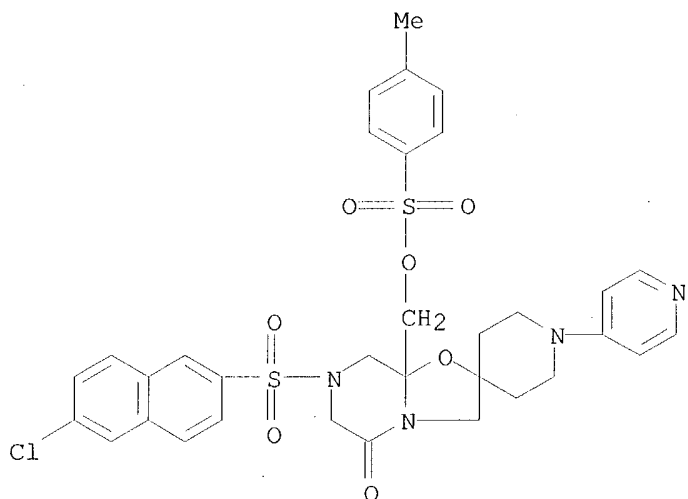
RN 318988-03-3 CAPLUS
 CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxaldehyde,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(4-pyridinyl)-

(9CI) (CA INDEX NAME)



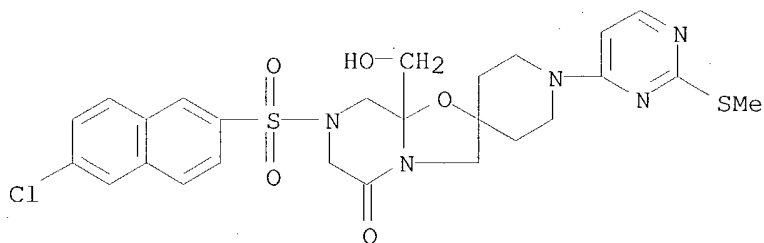
RN 318988-05-5 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-[[[(4-
methylphenyl)sulfonyl]oxy]methyl]-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



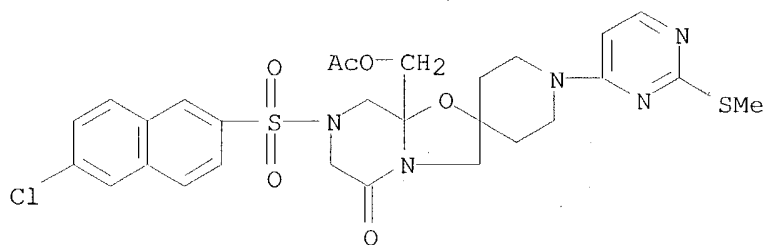
RN 318988-11-3 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)-1'-[2-
(methylthio)-4-pyrimidinyl]- (9CI) (CA INDEX NAME)

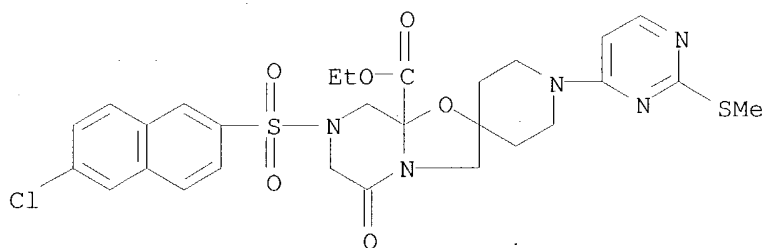


RN 318988-12-4 CAPLUS

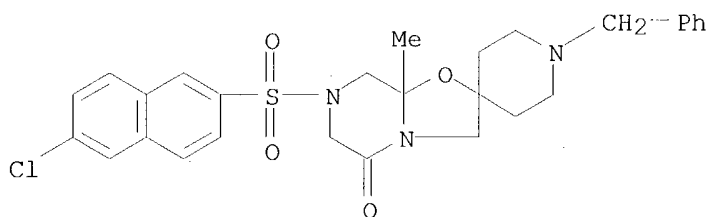
CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
8a-[(acetyloxy)methyl]-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-
[2-(methylthio)-4-pyrimidinyl]- (9CI) (CA INDEX NAME)



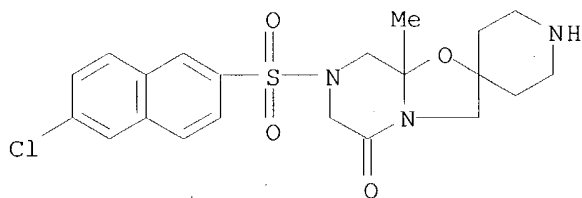
RN 318988-14-6 CAPLUS
 CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-carboxylic acid,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-[2-(methylthio)-4-
 pyrimidinyl]-5-oxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 318988-18-0 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-methyl-1'-
 (phenylmethyl)- (9CI) (CA INDEX NAME)

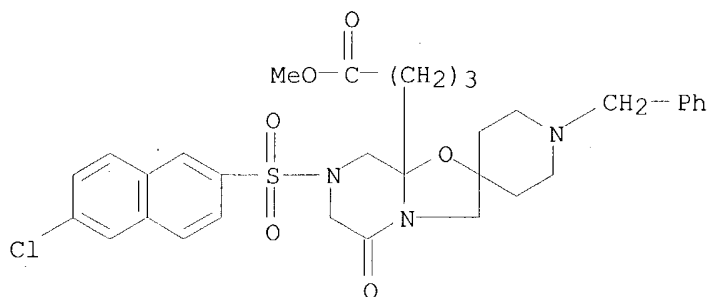


RN 318988-19-1 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
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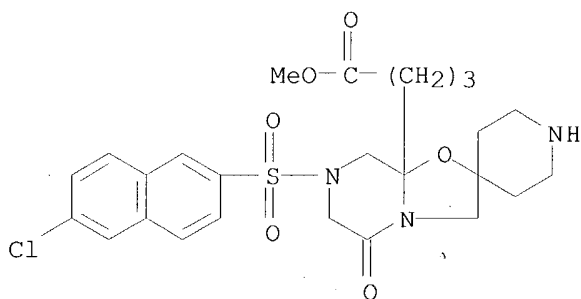
RN 318988-23-7 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-butanoic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-1'-(phenylmethyl)-,
methyl ester (9CI) (CA INDEX NAME)



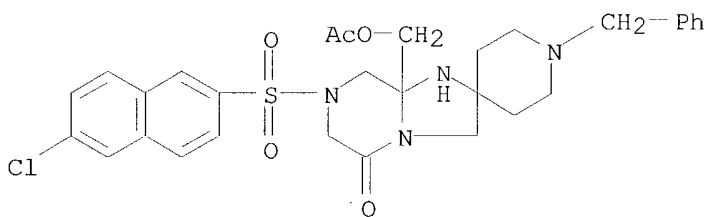
RN 318988-24-8 CAPLUS

CN Spiro[8aH-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-8a-butanoic acid,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-5-oxo-, methyl ester (9CI)
(CA INDEX NAME)



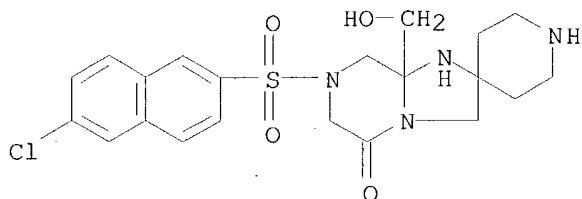
RN 318988-27-1 CAPLUS

CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
8a-[(acetyloxy)methyl]-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-1'-
(phenylmethyl)- (9CI) (CA INDEX NAME)

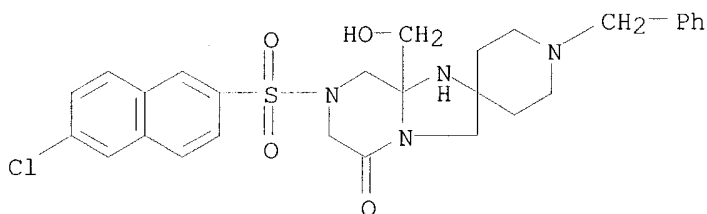


RN 318988-28-2 CAPLUS

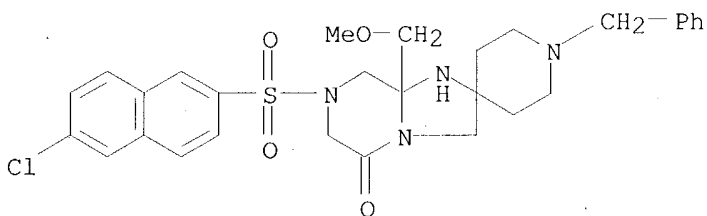
CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(hydroxymethyl)- (9CI)
(CA INDEX NAME)



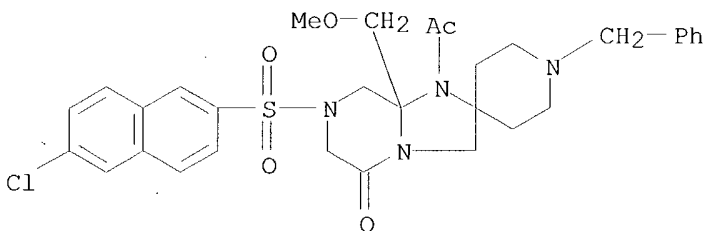
RN 318988-34-0 CAPLUS
 CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
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 (phenylmethyl)-(9CI) (CA INDEX NAME)



RN 318988-35-1 CAPLUS
 CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
 7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-(methoxymethyl)-1'-
 (phenylmethyl)-(9CI) (CA INDEX NAME)

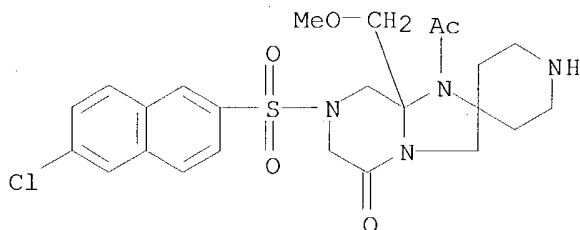


RN 318988-36-2 CAPLUS
 CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
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 (methoxymethyl)-1'-(phenylmethyl)-(9CI) (CA INDEX NAME)



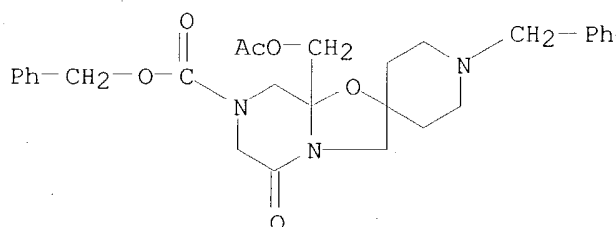
RN 318988-37-3 CAPLUS
 CN Spiro[imidazo[1,2-a]pyrazine-2(3H),4'-piperidin]-5(1H)-one,
 1-acetyl-7-[(6-chloro-2-naphthalenyl)sulfonyl]tetrahydro-8a-

(methoxymethyl)- (9CI) (CA INDEX NAME)



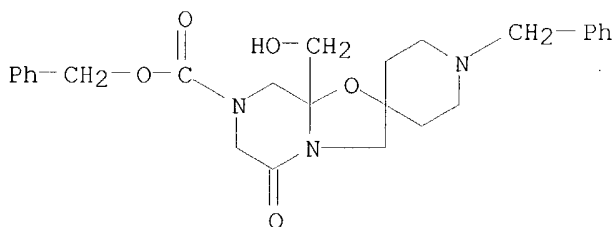
RN 318988-45-3 CAPLUS

CN Spiro[7H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-7-carboxylic acid, 8a-[(acetyloxy)methyl]tetrahydro-5-oxo-1'-(phenylmethyl)-, phenylmethyl ester (9CI) (CA INDEX NAME)



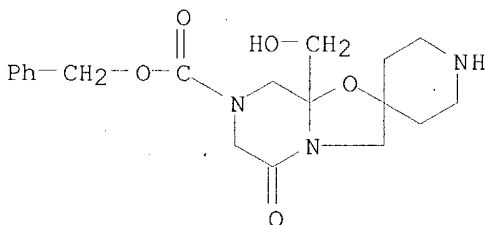
RN 318988-46-4 CAPLUS

CN Spiro[7H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-7-carboxylic acid, tetrahydro-8a-(hydroxymethyl)-5-oxo-1'-(phenylmethyl)-, phenylmethyl ester (9CI) (CA INDEX NAME)

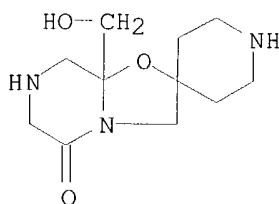


RN 318988-47-5 CAPLUS

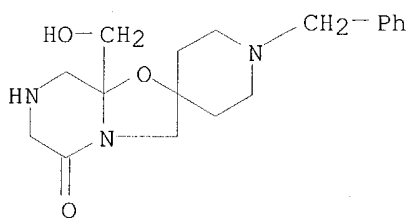
CN Spiro[7H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-7-carboxylic acid, tetrahydro-8a-(hydroxymethyl)-5-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)



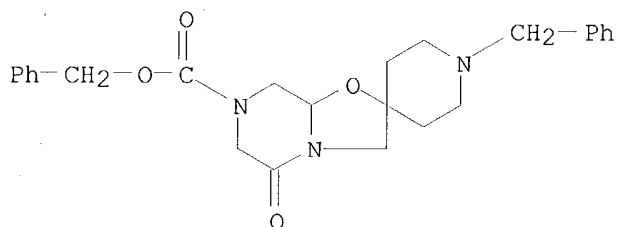
RN 318988-48-6 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 tetrahydro-8a-(hydroxymethyl)- (9CI) (CA INDEX NAME)



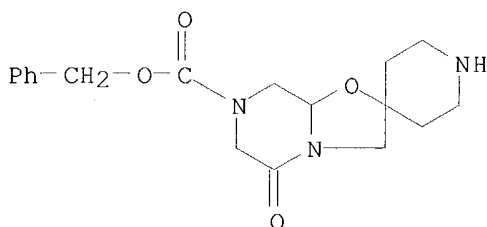
RN 318988-49-7 CAPLUS
 CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one,
 tetrahydro-8a-(hydroxymethyl)-1'-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 318988-53-3 CAPLUS
 CN Spiro[7H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-7-carboxylic acid,
 tetrahydro-5-oxo-1'-(phenylmethyl)-, phenylmethyl ester (9CI) (CA INDEX NAME)

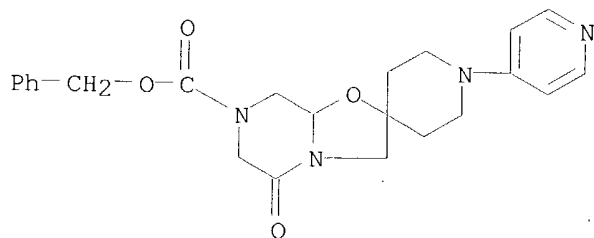


RN 318988-54-4 CAPLUS
 CN Spiro[7H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-7-carboxylic acid,
 tetrahydro-5-oxo-, phenylmethyl ester (9CI) (CA INDEX NAME)



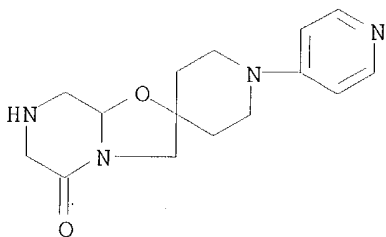
RN 318988-55-5 CAPLUS

CN Spiro[7H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidine]-7-carboxylic acid, tetrahydro-5-oxo-1'-(4-pyridinyl)-, phenylmethyl ester (9CI) (CA INDEX NAME)



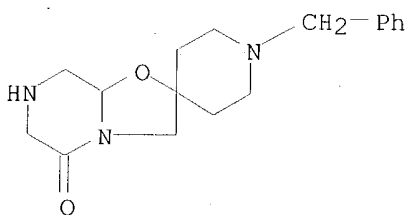
RN 318988-56-6 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one, tetrahydro-1'-(4-pyridinyl)- (9CI) (CA INDEX NAME)



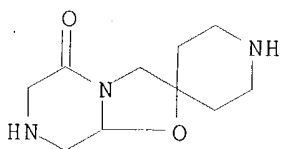
RN 318988-57-7 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one, tetrahydro-1'-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 318988-58-8 CAPLUS

CN Spiro[5H-oxazolo[3,2-a]pyrazine-2(3H),4'-piperidin]-5-one, tetrahydro- (9CI) (CA INDEX NAME)



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